WEIGHT INDICATORS

CATALOGUE

DINI ARGEO
Scales - Weighing systems
A RICE LAKE WEIGHING SYSTEMS COMPANY

WEIGHING SOLUTIONS FOR ANY APPLICATION

Dini Argeo - Headquarters and Production Plant - Fiorano Modenese, Italy

DINI ARGEO is an Italian company specialising in the design and manufacture of scales and weighing systems that have established themselves on the world market for quality, reliability and versatility of use.

This catalogue is a comprehensive guide to Dini Argeo weight indicators. You will find information on specifications, features and benefits, as well as different options that can be adapted to your specific needs.

Weight indicators are essential for monitoring and recording weight measurements, ensuring quality and accuracy in various sectors such as industry, agriculture, trade and logistics.

Regardless of the sector, be it laboratory, transport or industrial production, this catalogue will help you choose reliable and innovative instruments to achieve high levels of precision and control in daily operations.

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HOW TO CHOOSE
THE BEST WEIGHT INDICATOR

Would you like to maximise the performance of your weighing electronics?

Are you looking for the ideal weight indicators for industrial scales?

Do you need customised software and control solutions?

Dini Argeo boasts a high standard of quality and powerful innovation, both in hardware and software.

These elements give us a leading position in the field of industrial weighing technology.

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0.000 kg
0.00 kg
GROSS
0.00
W1
PRESET
CUSTOMER
SMIDTH LTD
SUPPLIER
BLACK LTD
MATERIAL
IRON
VEHICLE
AB 123 CD
NOTES
FULL LOAD
1. WEIGH
2. WEIGH
READY
FREE PLATE
PRINT
→0←

MAIN FACTORS TO CONSIDER WHEN CHOOSING A WEIGHT INDICATOR

Weight indicator environment

To choose the right weight indicator, it is crucial to consider the environment, taking into account variables such as **humidity**, **temperature** and possible **exposure to chemicals or dust**.

The Dini Argeo weight indicators have sturdy cases with **IP65**, **IP67**, **IP68** and **IP69K** rating and are **available with ATEX/IECEx approval** for hazardous areas 1, 21, 2 and 22. The integrated keypads and displays withstand cleaning agents.

In addition, Dini Argeo offers different installation modes: bench, column, panel or wall-mounted, with specific accessories for different positions.

Which scale should be connected to the weight indicator?

An important element in selecting a weight indicator is to check the **compatibility between the scale and the desired indicator**. Dini Argeo offers a range of products that can be used together, both in terms of physical connections and communication protocols, ensuring a stable and reliable connection between the devices.

Depending on the application, it may be necessary to connect one or more analogue or digital scales to a single weighing terminal.

Ease of use

A clear user interface and an intuitive display significantly simplify using the system.
It is essential that critical functions be easy to access, with clear status indications and tips given in the operator's language to ensure an improved operating experience.

The Dini Argeo weight indicators, designed by professionals in the sector, are constantly evolving and are constantly updated according to the user's needs.

Interface navigation, user experience, ease of use and clarity in communicating content are just some of the aspects our programmers focus on when programming the weight indicators.

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Does the weight indicator meet all requirements of my application?

In the context of industrial applications, weight indicators often have to perform additional tasks in addition to measuring weight. For this reason, when selecting a weight indicator, **it is important to check the availability of specific software programs** needed for an application to ensure it is compatible with the indicator.

Dini Argeo's weight indicators offer a wide range of advanced software applications that can be fully customised to meet various needs, including data capture, piece counting, single- and multi-component dosing, vehicle weighing, production control and high-speed checkweighers.

Myrias is our new modular PC software, ideal for every application! Discover all its benefits on page 196.

Is the weighing system intended for use in commercial transactions?

When a scale is used for commercial transactions, legal purposes or tariffs, **it must be approved according to approval standards by a certified body**. In such cases, the choice of weight indicator is of importance, as it must comply with local laws and regulations.

This is particularly important for scales used in weight-based price calculation and the production of pre-packaged goods. The indicator must be classified as verifiable, which means that it must be accompanied by a type examination certificate specifically suited to the application in question.

Our weighing terminals comply with the requirements set out in the recommendations of the International Organization of Legal Metrology (OIML), which qualifies them as non-automatic weighing instruments, for dynamic vehicle low speed weigh-in-motion, for automatic weigh belt weighing, and for gravimetric filling machines.

Dini Argeo weighing systems are approved for use in legal metrology in several countries outside the European Union, including Australia, the United Kingdom and China.

Peripherals, integration and data transfer

Depending on the application, **it is essential to connect various peripherals to the weighing terminal** to facilitate data transfer and integration with other systems. Peripherals may include printers, labellers or weight repeaters. The terminal should support common industrial communication protocols and offer interfaces such as RS232, RS485, Ethernet TCP/IP and USB.

For fieldbuses, options include Profibus, Profinet, EtherNet IP, Modbus TCP and Canopen. For simpler applications, digital and analogue inputs/outputs, and wireless modules such as radio frequency, Wi-Fi or Bluetooth are available.

CONFIGURABILITY vs PROGRAMMABILITY

The configurability and programmability of a weight indicator are distinct concepts that refer to the indicator's ability to adapt or be customised to meet specific application needs or requirements.

Configurability refers to the ability to adjust the settings and functions of a weight indicator without requiring new code or software modification.
Configurable weight indicators offer a wide range of options and settings that can be adjusted via menus, parameters or default settings.

All Dini Argeo weight indicators are configurable and allow the user to perform everything from simple common weighing operations to more complicated counting and dosing operations via special settings.

For applications with more complex needs, programmability is available.

The **programmability** of a weighing terminal indicates the ability to write, modify or customise code to make software that meets specific requirements.
Programmable weight indicators allow developers to create customised applications using programming languages or software development tools.
This custom programming may be necessary when the standard functions of the indicator are not enough to meet the needs of the application. The 3590 Touch Screen series weight indicators are programmable and allow the user to have the ideal instrument for their application.

Weighing terminals, also called industrial PCs, of the 6116 series are fully programmable through use in conjunction with our modular Myrias software.
The choice between a configurable and a programmable indicator will depend on the specific needs of the application and the level of customisation required.

Dini Argeo offers both configurable and programmable weight indicators, suitable for any type of requirement.

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WHY CHOOSE DINI ARGEO WEIGHT INDICATORS

Our weighing systems rely on over a century of experience.

Since 1846, Dini Argeo has played a leading role in the development and production of industrial weight indicators.
Dini Argeo's ongoing commitment is to always be one step ahead in the world of weighing technology.
Our customers can rely on us for state-of-the-art weighing solutions.

We specialise in the production of industrial weight indicators and dosing controllers, and develop weighing solutions tailored to the needs of scale manufacturers, system integrators and system builders.

We remain attentive to the market and this attention allows us to adapt the Dini Argeo scale, at both the hardware and software level, to meet the most varied and specific needs of our customers.

THE MAIN
WEIGHING FUNCTIONS

WEIGHING AND WEIGHT TOTALISATION

This function can be combined with one or more bench or floor scales, creating a weighing and data management station capable of storing all the transactions executed, adding up several weights to calculate the total, issuing receipts and labels with all types of barcodes, and sending the reports to a PC via Ethernet or Wi-Fi.

WEIGHING AND DOSING

This function is designed to guide the operator in the creation of multi-component mixtures, both solid and liquid, to significantly reduce waste and calculation errors, thanks to clear messaging on the display and the out-of-tolerance dosage correction function.

WEIGHING AND PIECE-COUNTING

The counting function is designed for counting and warehouse management applications, indispensable for small parts packaging, inventories and stock monitoring. High precision and resolution of counting and in-line storage of items, each with average unit weight, pre-tare and quantity control thresholds.

CONTINUOUS WEIGHING ON CONVEYOR BELT

Configuration for integrating weighing on a conveyor belt with storage for the quantity of dosed material. Used in solid material handling systems where the control of the stock and volume of goods, both incoming and outgoing, is essential.

TOLERANCE CONTROL

Function used for managing package weighing systems on conveyor belts, by means of static or dynamic weighing and tolerance checking. Thanks to high-performance and advanced filtering functions, a high number of packages/min. can be weighed and stored.

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FILLING IN LOADING

Configuration that enables dosing multiple products, in loading or unloading, mixing and formulation, with the possibility of managing mixers, burners or vibrators via dedicated contacts.

SAMPLE WEIGHING OF PRE-PACKAGED GOODS

Configuration for controlling pre-packaged goods of different weights, data management and printouts. The simultaneous control function of several production lines allows up to 10 controls of different items.

VEHICLE AXLE WEIGHT CONTROL

Modular configuration for axle-by-axle weighing of vehicles, both in static mode with the vehicle stationary and dynamic mode with the vehicle in motion. Axle weighing also has the goal of detecting overload on axles, avoiding penalties in the event of checks. Thanks to the entry/exit function, it is also possible to weigh the quantity of material unloaded or loaded and transmit all data to the company computer system.

MULTI-POINT WEIGHING

Portable, battery-operated modular configuration for creating wheel weighing stations, suitable for weighing any type of vehicle in a single operation and for multi-point weighing of objects. The carrying case weight indicator comes standard with a printer for weight receipts complete with all vehicle weight data, weight of each individual wheel, axle, vehicle total, gross, tare, net and centre of gravity.

APPLICATION FOR WEIGHBRIDGES ENTRY/EXIT VEHICLE WEIGHING

Modular configuration for the complete management of one or more vehicle weighbridges with printing of receipts, cards or bills on a continuous form. The entry/exit function makes it possible to monitor the quantity of material unloaded and loaded, and to share data with the company computer system.

INDUSTRIAL LABELLING/PRICING

Function that allows large quantities of packages to be labelled manually in a short time with indication of ingredients, traceability, packaging dates, expiry date and all types of barcodes.

NET
34640
PT U1
TARE
15360
>0<
>T<
PRODUCT
HYDRAULIC COLLECTORS
VEHICLE
820 AWR
CUSTOMER
SMITH LTD
IN
OUT
LOAD the SCALE and PRESS IN/OUT
DINI ARGEO
3590EGT
ZERO

DINI ARGEO

WEIGHT INDICATORS
3590 SERIES

The Dini Argeo 3590 weight indicators with 5.7” or 8” touchscreen displays are ideal for customised and advanced applications. The various models series meet the weighing needs of advanced industrial, chemical-pharmaceutical and food industry settings, including settings with high hygiene standards or risk of explosion.

The 3590 series includes a wide choice of advanced programs and functions that can be configured to meet customised weighing needs, such as fully configurable databases and printouts, barcode management, RFID readers and badges, multi-language software, internal microSD slot for logos and images, customisable screens, step-by-step procedures and much more.

Thanks to the integrated development area, the 3590 indicators offer the opportunity to create fully custom applications to develop specific weighing systems. Depending on your requirements, you can therefore combine one of the following weighing programs with your own weight indicator, including weight totalisation, piece-counting, software for vehicle weighing systems, single- and multi-component dosing, statistical control of pre-packaged goods, industrial labelling and pricing, weighing of wheels and axles, weighbridges and tolerance control.

5.7" and 8" 3590 SERIES

TOUCHSCREEN

		3590EGT HYGIENX®	3590ET / 3590ETD	3590EGT
PLUS	**Choice of application software**	●	●	●
	Fully customisable printouts and labels	●	●	●
	Customised program development environment	●	●	●
	Archives and registries	●	●	●
	Alibi memory	●	●	●
	Internal microSD slot for logos and images*	●	●	●
COMMUNICATION	**RS232 serial ports**	3	3	3
	RS485 serial port (replacing 1 x RS232 serial port)	○	○ / ●	○
	USB connection for PC	○	○ / -	○
	TCP/IP Ethernet	○	○	○
	Wi-Fi	○	○	○
	USB flash drive to save weighings	○	○	○
	Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○	○	○
	Bluetooth interface	○	○	○
IN/OUT	**Inputs**	○ (x2)	○ (x2)	○ (x2)
	Outputs	○ (x4)	○ (x4)	○ (x4)
	Expansion with 6 inputs / 12 outputs	-	-	○
	Analogue output 0...10 V, 0...20 mA, 4...20 mA	○	○	○
HARDWARE	**Colour touchscreen display**	5.7"	5.7"	5.7"
	Mechanical keypad and light indicators	●	-	●
	Case	AISI 316 stainless steel	ABS	AISI 304 stainless steel
	IP rating	IP68 and IP69K	IP65 (IP40 with printer) / IP65	IP68
	Power supply	110-240 Vac	110-240 Vac	110-240 Vac
	Multi-language program	●	●	●
	Input for external keypad/barcode reader	○	●	●
	Adjustable tilt bracket	○	○	○
OIML	**OIML features**			
	Converter			
	Connectable scales			
	No. analogue load cells	16, 350 Ω 45, 1000 Ω	16, 350 Ω 45, 1000 Ω	16, 350 Ω 45, 1000 Ω
	No. digital load cells			
	OIML R76 / R51 - MID / R61 - MID / R134 approvals	●	●	●**

LEGEND: ● Standard ○ Optional - Not available

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*
*** Both OIML R51 and R61*

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3590EGTT	**3590ETKR**	**3590EGT3GD**	**3590EGT-IECEX3GD**	**3590EGT8**	**3590EGTB8**	**3590EGTBOX8**	**3590ET8 / 3590ET8D**
●	●	●	●	●	●	-	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
3	3	3	3	3	3	3	3
○	○	●	●	○	○	○	○ / 1
○	○	○	-	○	○	○	○
○	○	○	○	●	●	●	●
○	○	○	○	○	-	-	○
○	○	○	○	○	○	○	○
○	-	○	○	○	○	○	○
○	○	-	○	○	○	○	○
● (x2)	○ (x2)	● (x2)	● (x2)	○ (x2)	○ (x2)	○ (x2)	○ (x2)
● (x4)	○ (x4)	● (x4)	● (x4)	○ (x4)	○ (x4)	○ (x4)	○ (x4)
○	-	○	○	8 inputs / 16 outputs	8 inputs / 16 outputs	8 inputs / 16 outputs	-
○	-	○	○	○	○	○	○
5.7"	5.7"	5.7"	5.7"	8"	8"	8"	8"
●	-	●	●	Light indicator only	-	-	-
AISI 304 stainless steel	ABS / Aluminium	AISI 304 stainless steel	AISI 304 stainless steel	AISI 304 stainless steel	AISI 304 stainless steel	AISI 304 stainless steel	ABS
IP68	IP40	IP68	IP68	IP68	IP65 (front)	-	IP65
110-240 Vac	With rechargeable battery	110-240 Vac	110-240 Vac or Max 12-24 Vdc 25.2W	110-240 Vac	12-24 Vdc	110-240 Vac	110-240 Vac
●	●	●	●	●	●	●	●
●	●	-	-	●	●	●	●
●	-	○	○	●	-	-	○
3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e							
24 bit / 3200 Hz							
5(2)							
16, 350 Ω 45, 1000 Ω	16, 350 Ω 45, 1000 Ω	16, 350 Ω 45, 1000 Ω	16, 350 Ω 45, 1000 Ω	16, 350 Ω 45, 1000 Ω	16, 350 Ω 45, 1000 Ω	-	16, 350 Ω 45, 1000 Ω
16(3)							
●**	●	●	●**	●**	●**	●	●

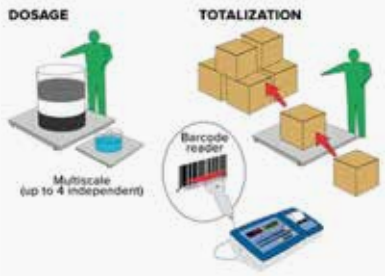
WEIGHING PROGRAMS

FOR 3590 SERIES WEIGHT INDICATORS

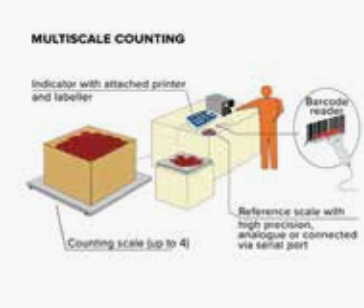
The Dini Argeo weight indicators offer many functions, from the simplest to the most complex and dedicated, thanks to the weighing programs. One of the following software programs can be configured for each scale, which will facilitate the operator's work, to perform specific tasks.

Many programs to choose from and infinite options for customisation.
Over the years, Dini Argeo has developed a series of weighing programs for its advanced indicators, so that they can be perfectly suited to the application to create. These programs contain all the most advanced functions in the field of weighing and automated data management. Depending on users' needs, it is possible to match and fully customise one of the following software programs to their weight indicator.

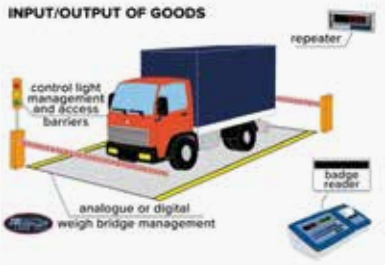
AF01
Weight totalisation and formulation



AF02
Weighing and piece-counting

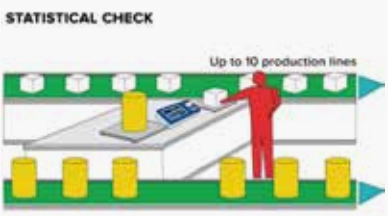


AF03 - ENTERPRISE
Simple weighing

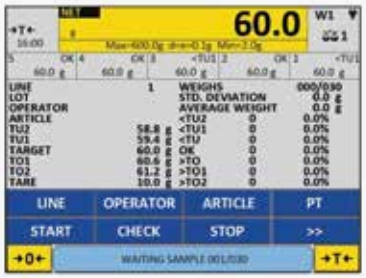


AF03GT - TOUCH
Simple weighing of trucks on weighbridges

AF04 - ENTERPRISE
Sample weighing of pre-packaged goods



AF04 - TOUCH
Sample weighing of pre-packaged goods

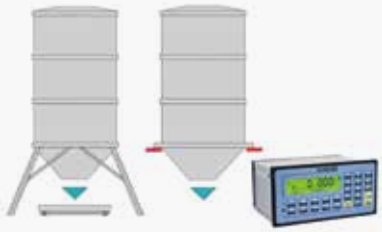


AF05
Industrial labelling/pricing

AF08
Multi-point weighing

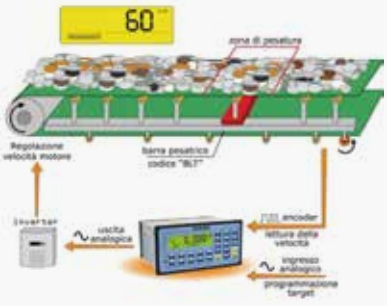
AF09
Dynamic or static axle weighing on 1 or 2 platforms

BATCH1
Single-component dosing in loading and unloading

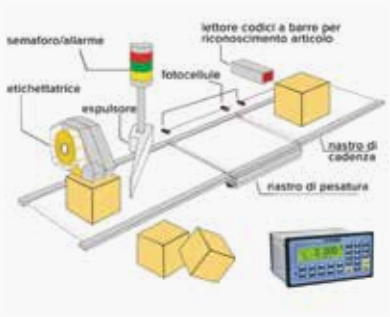


BATCH
Multi-component dosing in loading and unloading

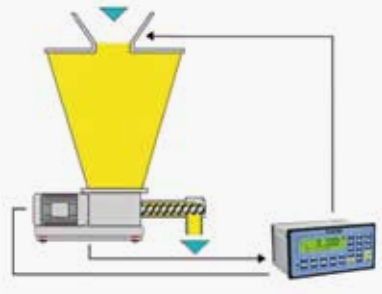
BELT
Reading and adjusting capacity on conveyor belt



CHECK
Weighing packages on conveyor belt



LW
Continuous dosing from silos, cisterns, hoppers



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3590EGT HYGIENX®

5.7-INCH TOUCHSCREEN DISPLAY

Weight indicator with advanced weighing program, suitable for environments that require high hygiene standards and thorough cleaning with high temperature and pressure water jets. Featuring a 5.7" touchscreen display, it also stands out for its sturdiness, thanks to the AISI 316 stainless steel case.
Our 3590 HYGIENX® ensures traceability, data entry, database, saving and wireless transmission of weights. The 3590EGT8 Weight Indicator is the ideal solution for maximum precision and versatility in industrial weighing.

HYGIENX®

OIML APPROVED | IP68 | IP69K | AISI 316 STAINLESS STEEL | GMP COMPLIANT

Version codes

	DESCRIPTION	CODE	
	5.7" colour touchscreen indicator with AF01 program, specifically for environments with high hygiene requirements. Casing in AISI 316 stainless steel with IP68/IP69K rating.	**3590EGT-HGX**	

Why choose

- Clear view of data thanks to backlit 5.7" touchscreen display.
- AISI 316 stainless steel case with IP68 and IP69K protection rating.
- Supplied standard with 3 serial ports, data transmission communication protocols, fully configurable data entry and printouts, alibi memory as standard, and input for barcode/badge reader.
- The 3590EGT HYGIENX® indicator, in addition to your choice of weighing program, also includes a dedicated area for developing customised application programs.
- With fully customisable work screens, you can create an interface tailor-made for each application.
- Multi-language software, in Italian, English, German, French and Spanish. Option to enter your own translation, thanks to new "CUSTOM LANGUAGE TOOL" software program.
- CE-M certifiable (OIML R-76 / R-51 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Wizards, messages for the operator.
- Management of serial ports, customisation of communication protocols.
- Full management of digital I/O.
- Sequential or simultaneous automations.
- Tailor-made data entry, archives.

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

Technical features

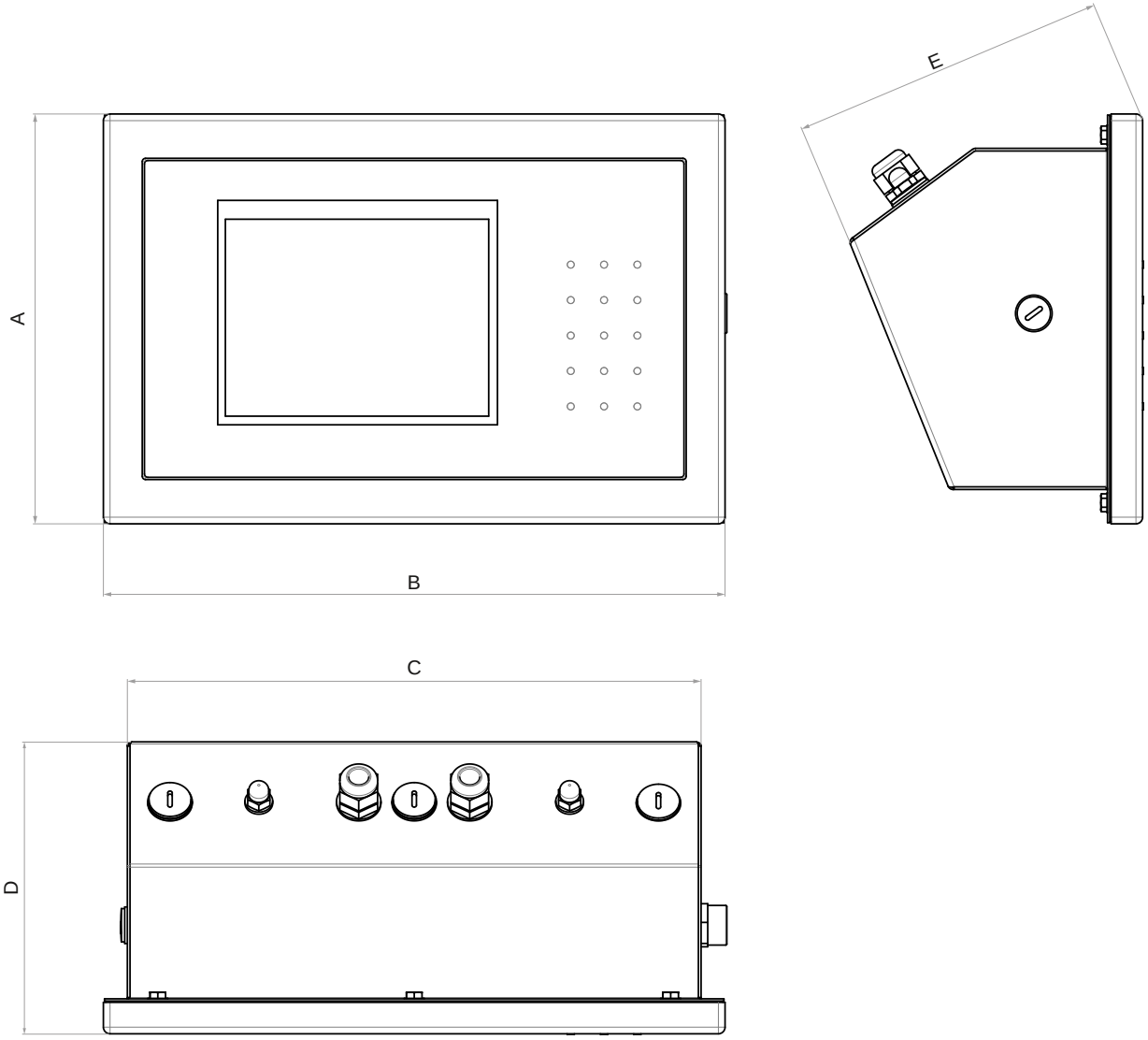
Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	-
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
8" colour touchscreen display	●
Mechanical keypad and light indicators	●
Case	AISI 316 stainless steel
IP rating	IP68 and IP69K
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	○
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	132 mm
B	280 mm	**E**	143 mm
C	258 mm		

DINI ARGEO
The information in this document may be subject to change without notice.

3590ET

5.7-INCH TOUCHSCREEN DISPLAY

3590ET weight indicator, with backlit 5.7” touchscreen display. Designed for advanced industrial applications, this instrument simplifies weighing operations, thanks to a clear display and the option to customise your screens as needed.

OIML APPROVED

IP65

ABS

STANDARD PRINTER

Version codes

	DESCRIPTION	CODE	
	Touchscreen indicator with AF01 program. Housing in ABS. Colour display.	**3590ET**	

Why choose

- 5.7” colour touchscreen display.
- Sturdy and waterproof case in ABS with IP65 protection rating.
- Supplied standard with 3 serial ports, Ethernet port, data transmission communication protocols, fully configurable printouts, integrated alibi memory, and input for barcode/badge reader.
- In addition to the weighing program of your choice, the 3590ET indicator offers a dedicated area for the development of specific application programs, an integrated debugger and PC programming tools.
- Thanks to fully customisable work screens, all necessary weighing data, registries and free texts can be managed quickly and intuitively, greatly simplifying user operations.
- Multi-language software, in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation, thanks to new “CUSTOM LANGUAGE TOOL” software program.
- The 3590ET weight indicator is CE-M certifiable (OIML R-76 / R-51 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

Technical features

Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	-
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
5.7" colour touchscreen display	●
Mechanical keypad and light indicators	-
Case	ABS
IP rating	IP65 (IP40 with printer)
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R134 approvals	●

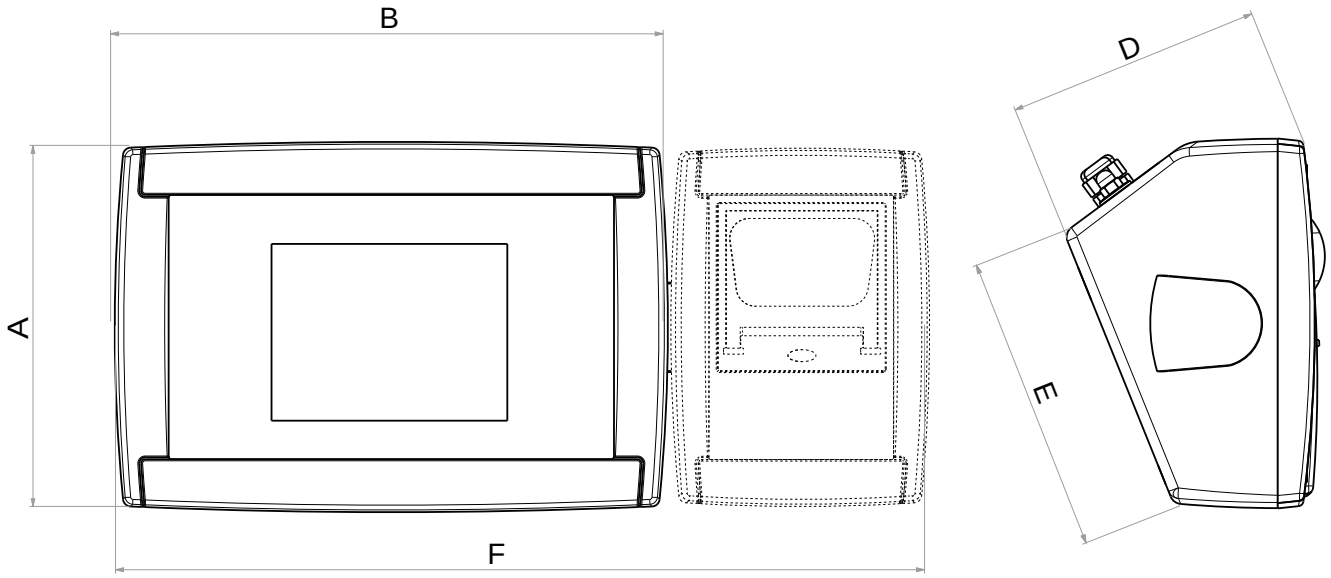
(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

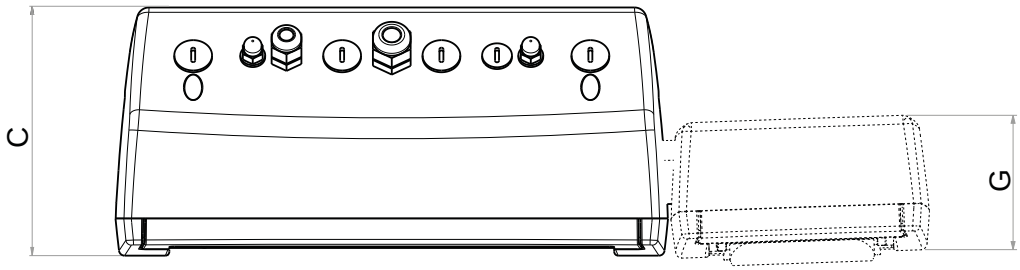
Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- Australian Pattern Approval (NMI)

The information in this document may be subject to change without notice.

Technical drawing (mm)





Dimensions			
A	184 mm	**E**	150 mm
B	278 mm	**F**	410 mm
C	120 mm	**G**	410 mm
D	128 mm		

3590EGT

5.7-INCH TOUCHSCREEN DISPLAY

Our 3590EGT digital weight indicator is the ideal solution for advanced industrial applications and digital weighbridges. Supplied with a large 5.7" touchscreen display, 3 serial ports, data transmission communication protocols, fully configurable printouts, integrated alibi memory, and input for barcode/ badge reader.

OIML APPROVED

IP68

STAINLESS STEEL

Version codes

	DESCRIPTION	CODE	
	Colour touchscreen indicator with 2 IN, 4 OUT, RS485, AF01 program. Housing in IP68 stainless steel.	**3590EGTCXT01BC**	
	Colour touchscreen indicator with AF01 program. Housing in IP68 stainless steel.	**3590EGT**	
	Colour touchscreen indicator with AF01 program. Housing in IP68 stainless steel. Power cable with BS1363 plug (UK plug).	**3590EGTUK**	

Why choose

- Backlit 5.7" graphic touchscreen display.
- Case in IP68 AISI 304 stainless steel, and new optional IP69K rating.
- In addition to the weighing program of your choice, the 3590EGT indicator offers a dedicated area for the development of specific application programs, an integrated debugger, and PC programming tools.
- The 3590EGT weight indicator, with AF03GT program, manages the most common load cells for digital weighbridges.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation, thanks to new "CUSTOM LANGUAGE TOOL" software program.
- The 3590EGT weight indicator is CE-M certifiable (OIML R-76 / R-51 MID / R-61 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

The information in this document may be subject to change without notice.

Technical features

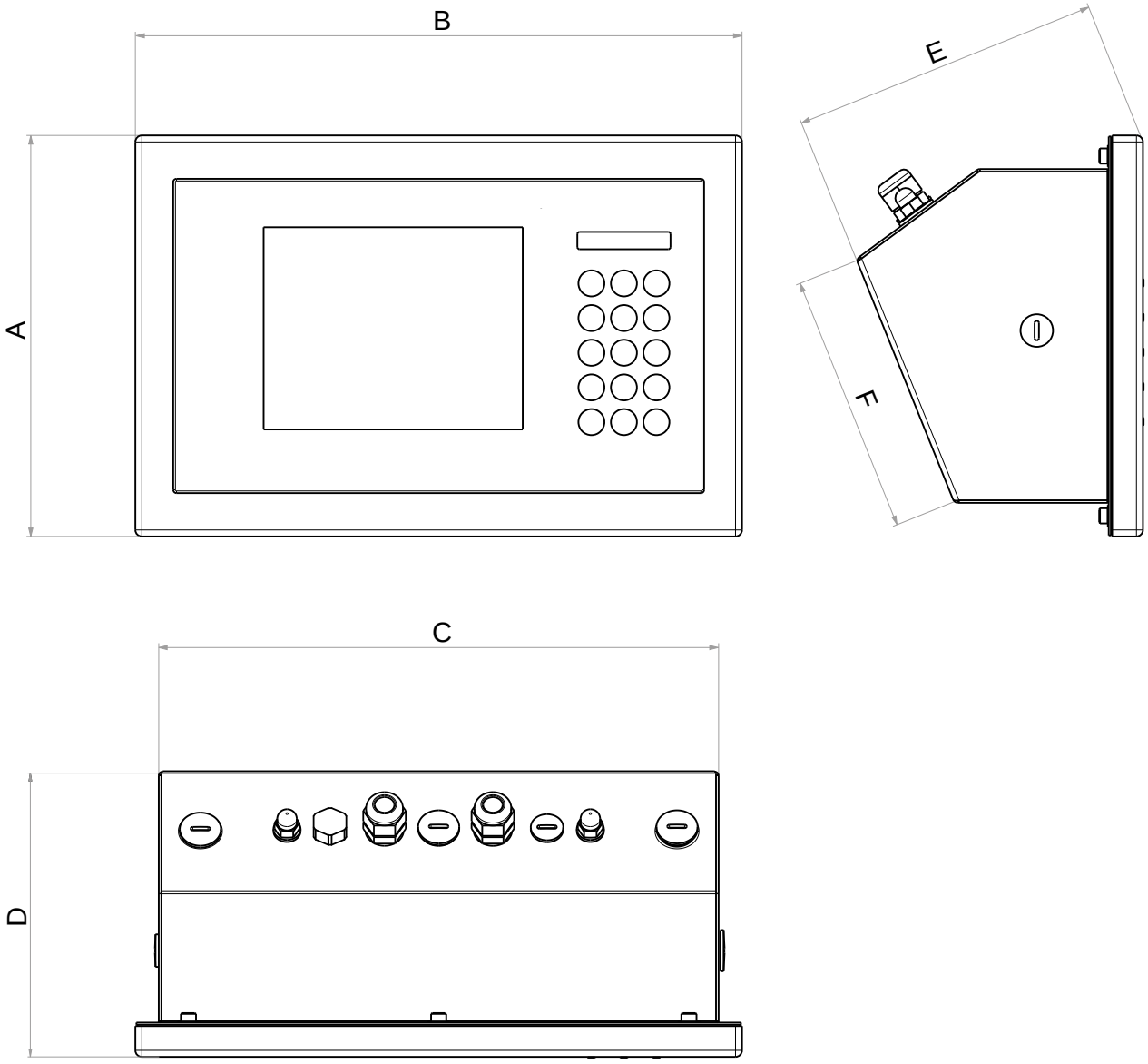
Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	○
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
5.7" colour touchscreen display	●
Mechanical keypad and light indicators	●
Case	AISI 304 stainless steel
IP rating	IP68
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R61 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	134 mm
B	280 mm	**E**	143 mm
C	258 mm	**F**	120 mm

3590EGTT

5.7-INCH TOUCHSCREEN DISPLAY

Our fully configurable 3590EGTT weight indicator with touchscreen display is ideal for advanced weighing systems. In addition to the weighing program of your choice, there is a dedicated area for developing specific application programs, integrated debugger, and PC programming tools.

OIML APPROVED | IP68 | AISI 304 STAINLESS STEEL | UNIVERSAL BRACKET | WEBSERVER

Version codes

	DESCRIPTION	CODE	
	Touchscreen indicator with IP68 stainless steel housing. Version with adjustable tilt, bracket for installation on bench or wall. Standard AF01 program.	**3590EGTT**	

Why choose

- Backlit, graphic, resistive touchscreen colour 5.7” display.
- IP68, AISI 304 stainless steel bracket case.
- Development area for custom programs via specific programming language.
- Equipped with adjustable bracket as standard.
- Alibi memory as standard, integrated on the motherboard.
- With fully customisable work screens, you can create an interface tailor-made for each application.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation thanks to new “CUSTOM LANGUAGE TOOL” software program.
- CE-M certifiable (OIML R-76 / R-51 MID / R-61 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

Technical features

Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	● x2
Outputs	● x4
Expansion with 6 inputs / 12 outputs	○
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
5.7" colour touchscreen display	●
Mechanical keypad and light indicators	●
Case	AISI 304 stainless steel
IP rating	IP68
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R61 - MID / R134 approvals	●

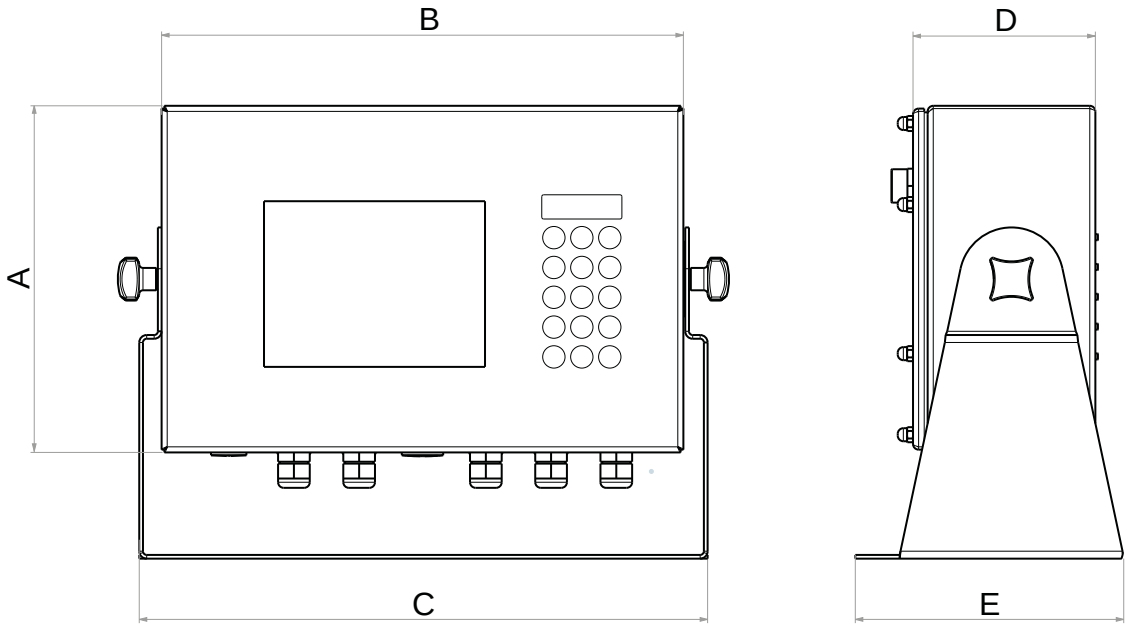
(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- OIML R134
- Australian Pattern Approval (NMI)

DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical drawing (mm)



Dimensions			
A	186 mm	**D**	98 mm
B	280 mm	**E**	144 mm
C	306 mm		

3590ETKR

5.7-INCH TOUCHSCREEN DISPLAY

Our 3590ETKR digital weight indicator with 5.7” screen is ideal for multi-point weighing of vehicles, planes or objects. To simplify the user’s work, it enables viewing all weighing data and customising screens. Additionally, our ETKR indicator features a carrying case in ABS, for easy transport and guaranteed protection.

OIML APPROVED

ABS

CARRYING CASE

Version codes

	DESCRIPTION	CODE	
	Only for analogue WWS (WWS...-y). Touchscreen indicator in carrying case, with printer and AF08 program. Colour display. Available only in combination with Dini Argeo vehicle weighing systems (WWS, RWS, DTW, WBSA series).	**3590ETKR-3**	
	Only for Radio-frequency WWS (WWS...2G4-y). Touchscreen indicator in carrying case, with printer and AF08 program. Colour display and radio module. Available only in combination with Dini Argeo vehicle weighing systems (WWS, RWS, DTW, WBSA series).	**3590ETKR2G4-1**	
	Only for analogue WWS (WWS...-y). Touchscreen indicator in carrying case, with printer and AF09 program. Colour display. Available only in combination with Dini Argeo axle weighing systems (WWS, RWS, series).	**3590ETKR09-3**	
	Only for Radio-frequency WWS (WWS...2G4-y). Touchscreen indicator in carrying case, with printer and AF09 program. Colour display and radio module. Available only in combination with Dini Argeo vehicle weighing systems (WWS, RWS, series).	**3590ETKR2G4-AF09-1**	

Why choose

- Backlit 5.7” touchscreen display for clear and quick data viewing.
- Case in ABS or aluminium with IP40 protection rating.
- With carrying case in ABS for easy transport, with housing for indicator and storage compartment.
- Supplied standard with 3 serial ports, alibi memory and thermal printer.
- In addition to the weighing program of your choice, the 3590ETKR indicator offers a dedicated area for the development of specific application programs, an integrated debugger and PC programming tools.
- Thanks to fully customisable work screens, all necessary weighing data, registries and free texts can be managed quickly and efficiently.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation, thanks to new “CUSTOM LANGUAGE TOOL” software program.
- CE-M certifiable (OIML R-76 / R-51 MID / EN 45501).

Main features

USER CUSTOMISABLE:

- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

The information in this document may be subject to change without notice.

Technical features

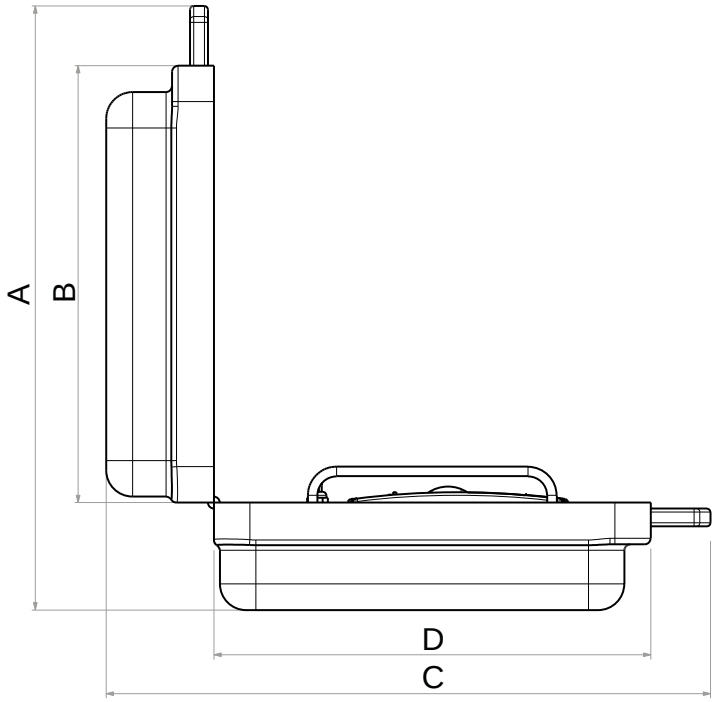
Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	-
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	-
Analogue output 0...10 V, 0...20 mA, 4...20 mA	-
5.7" colour touchscreen display	●
Mechanical keypad and light indicators	-
Case	ABS / ALUMINIUM
IP rating	IP40
Power supply	With rechargeable battery
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	-
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R134 approvals	●

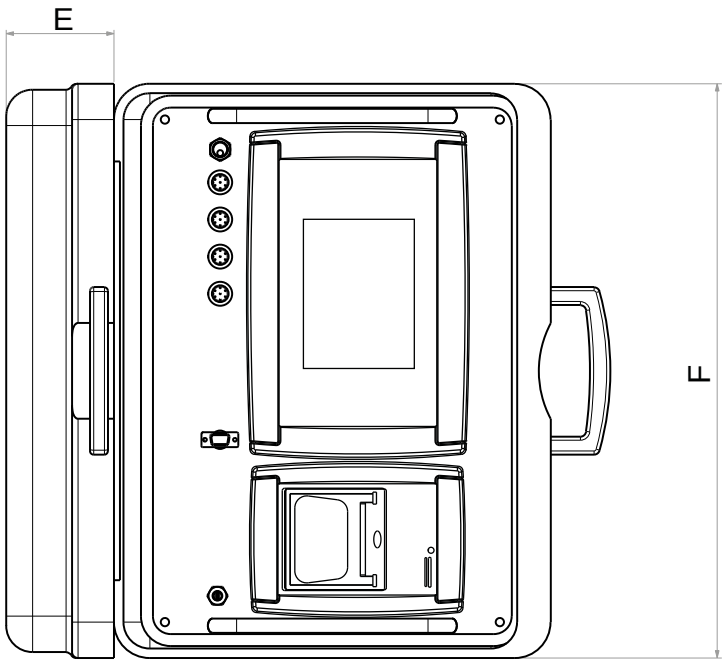
(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Technical drawing (mm)





Dimensions			
A	505 mm	**D**	365 mm
B	365 mm	**E**	90 mm
C	505 mm	**F**	480 mm

3590EGT3GD

5.7-INCH TOUCHSCREEN DISPLAY

Weight indicator designed for zones classified at risk of explosion, ATEX 2 and 22, with large display for easy viewing of weight, and waterproof, sturdy case in stainless steel with IP68 protection rating. With 3 serial ports, integrated alibi memory and fully configurable printouts.

OIML APPROVED | IP68 | STAINLESS STEEL | ATEX

Version codes

	DESCRIPTION	CODE	
	Colour touchscreen ATEX 3GD indicator with AF01 program. Housing in IP68 stainless steel. Protection: ATEX II 3G Ex nR IIB T6 Gc X for gas, and ATEX II 3D Ex tc IIIC T85°C Dc IP68 X for dust. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**3590EGTC3GD**	

Why choose

- 5.7-inch colour touchscreen display.
- Sturdy and waterproof case in stainless steel, with IP68 protection rating.
- Supplied standard with 3 serial ports, data transmission communication protocols, fully configurable printouts, integrated alibi memory and input for barcode/badge reader.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish.
- ATEX / IECEX.
- Thanks to fully customisable work screens, all necessary weighing data, registries and free texts can be managed quickly and intuitively, greatly simplifying user operations.
- The 3590EGT3GD weight indicator is CE-M certifiable (OIML R-76 / R-51 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

Technical features

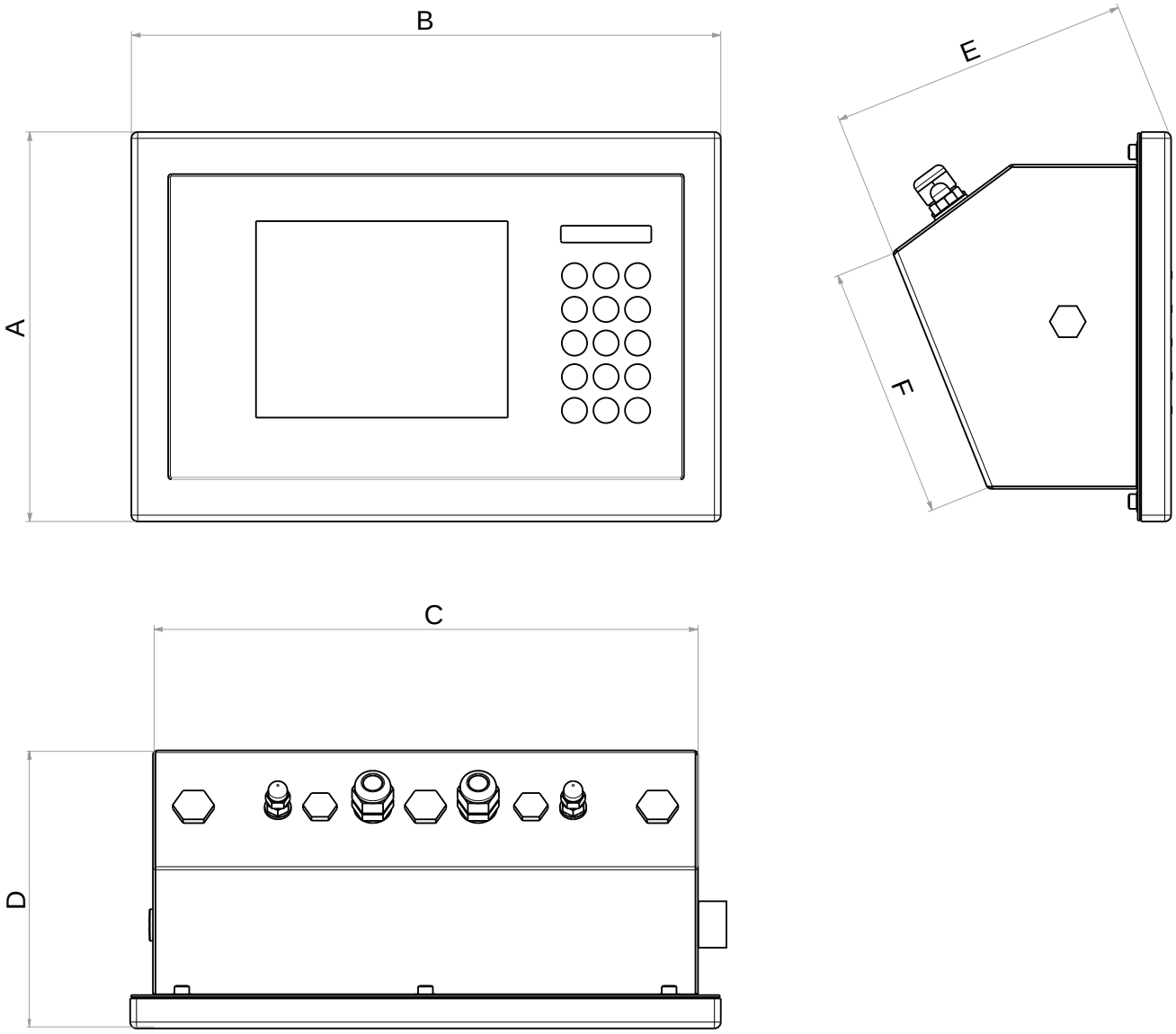
Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	●
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	-
Inputs	● x2
Outputs	● x4
Expansion with 6 inputs / 12 outputs	○
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
5.7" colour touchscreen display	●
Mechanical keypad and light indicators	●
Case	AISI 304 stainless steel
IP rating	IP68
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	-
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	134 mm
B	280 mm	**E**	143 mm
C	258 mm	**F**	120 mm

The information in this document may be subject to change without notice.

3590EGT-IECEX3GD

5.7-INCH TOUCHSCREEN DISPLAY

Our 3590EGT-IECEX3GD weight indicator is ideal for advanced industrial applications and is suitable for zones classified at risk of explosion, Ex 2 and 22. Easy to wash, thanks to case closed without front screws.

OIML APPROVED | IP68 | STAINLESS STEEL | ATEX

Version codes

	DESCRIPTION	CODE	
	Colour touchscreen Ex indicator for zone 2/22 with AF01 program. Housing in IP68 stainless steel. Marking: ATEX/IECEX II 3G Ex nR IIC T6 Gc X (0°C<= Ta <=50°C) for gas, and II 3D Ex tc IIIC T85°C Dc IP65 X (0°C<= Ta <=50°C) for dust. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**3590EGT-IECEX3GD**	
	Colour touchscreen Ex indicator for zone 2/22 with AF01 program, that can be directly connected to load cells installed in zone 1/21 and 0/20. Housing in IP68 stainless steel. Marking: ATEX/IECEX II 3G Ex nR [ia] IIC T6 Gc X (0°C<= Ta <=50°C) for gas, and II 3D Ex tc [ia] IIIC T85°C Dc IP65 X (0°C<= Ta <=50°C) for dust. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**3590EGT-IECEX3GDZB**	

Why choose

- Clear data viewing thanks to 5.7” colour touchscreen display.
- Waterproof case in stainless steel, with IP68 protection rating.
- Fitted standard with 3 serial ports, integrated alibi memory, and fully configurable printouts.
- Calendar clock and permanent data storage.
- The 3590EGT-IECEX3GD indicator, in addition to your choice of weighing program, also includes a dedicated area for developing customised application programs.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation thanks to new “CUSTOM LANGUAGE TOOL” software program.
- CE-M certifiable (OIML R-76 / R-51 MID / R-61 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

Technical features

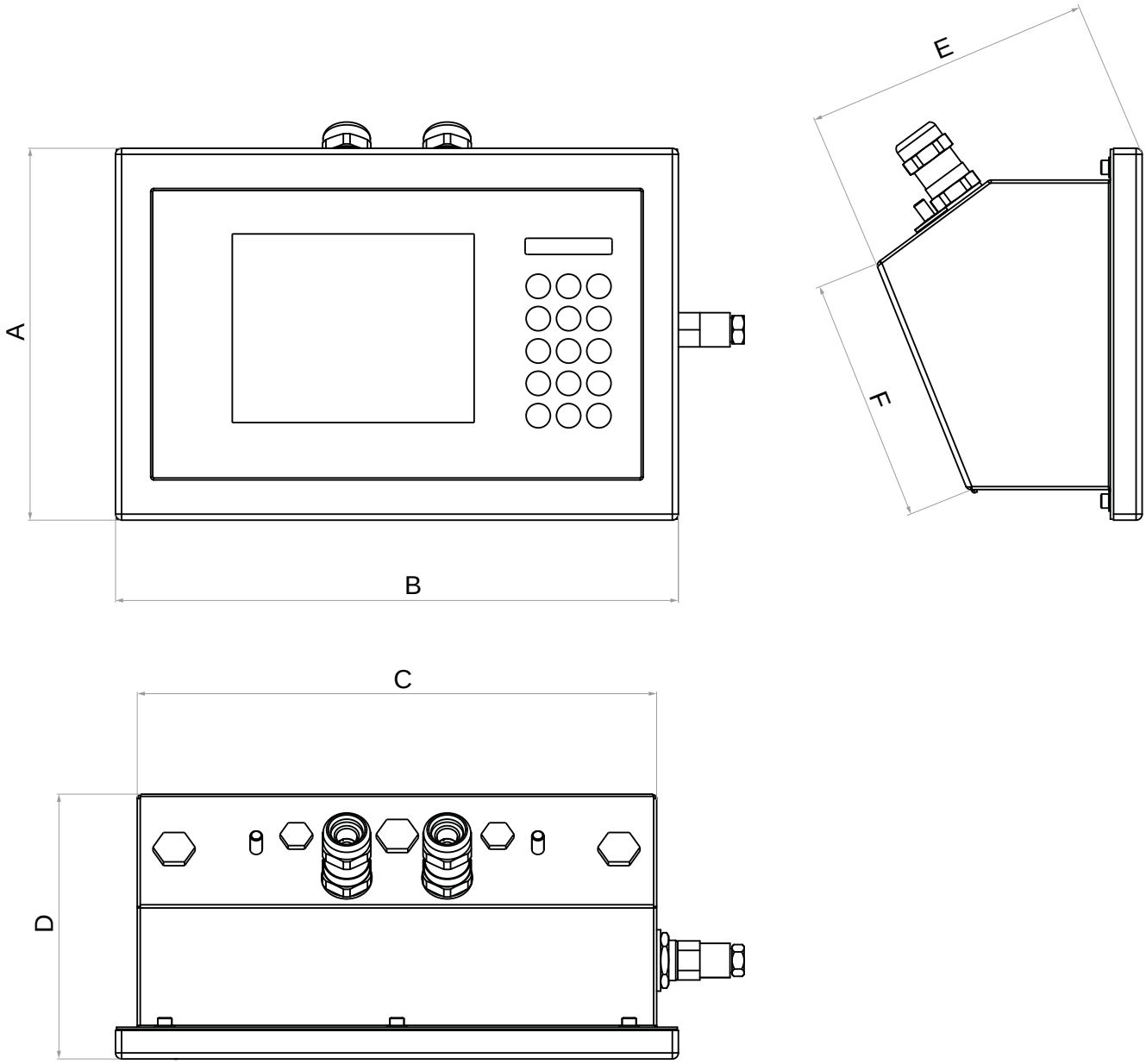
Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	●
USB connection for PC	-
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	● x2
Outputs	● x4
Expansion with 6 inputs / 12 outputs	○
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
5.7" colour touchscreen display	●
Mechanical keypad and light indicators	●
Case	AISI 316 stainless steel
IP rating	IP68
Power supply	110-240 Vac or Max 12-24 Vdc 25.2W
Multi-language program	●
Input for external keypad/barcode reader	-
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R61 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
* *MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- EN/IEC 60079-0
- EN/IEC 60079-11 (version ZB)
- EN/IEC 60079-15
- OIML R61 - MID
- ATEX / IECEX
- EN/IEC 60079-31
- Australian Pattern Approval (NMI)
- Certified according to ATEX Directive 2014/34/EU and complying with the IECEx scheme, group II category 3GD according to standards EN/IEC 60079-0, EN/IEC 60079-11, EN/IEC 60079-15, EN/IEC 60079-31

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	132 mm
B	280 mm	**E**	143 mm
C	258.4 mm	**F**	120 mm

DINI ARGEO
The information in this document may be subject to change without notice.

3590ET8

8-INCH TOUCHSCREEN DISPLAY

3590ET8 weight indicator, with large 8” touchscreen display. Perfect for advanced industrial applications, this instrument simplifies weighing operations, thanks to a clear display and the option to customise your screens as needed.

OIML APPROVED

IP65

ABS

Version codes

	DESCRIPTION	CODE	
	8” touchscreen indicator with AF01 program. Housing in ABS. Colour display. Internal Ethernet port as standard.	**3590ET8-1**	
	8” touchscreen indicator with AF01 program. Housing in ABS. Colour display. Internal Ethernet port as standard. Power cable with BS1363 plug (UK plug).	**3590ET8UK-1**	

Why choose

- 8-inch colour touchscreen display.
- Sturdy, safe and waterproof case in ABS, with IP65 protection rating.
- Supplied standard with 3 serial ports, Ethernet port, data transmission communication protocols, fully configurable printouts, integrated alibi memory and input for barcode/badge reader.
- In addition to the weighing program of your choice, the 3590ET8 indicator offers a dedicated area for the development of specific application programs, an integrated debugger, and PC programming tools.
- Thanks to fully customisable work screens, all necessary weighing data, registries and free texts can be managed quickly and intuitively, greatly simplifying user operations.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation thanks to new “CUSTOM LANGUAGE TOOL” software program.
- The 3590ET8 weight indicator is CE-M certifiable (OIML R-76 / R-51 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

The information in this document may be subject to change without notice.

Technical features

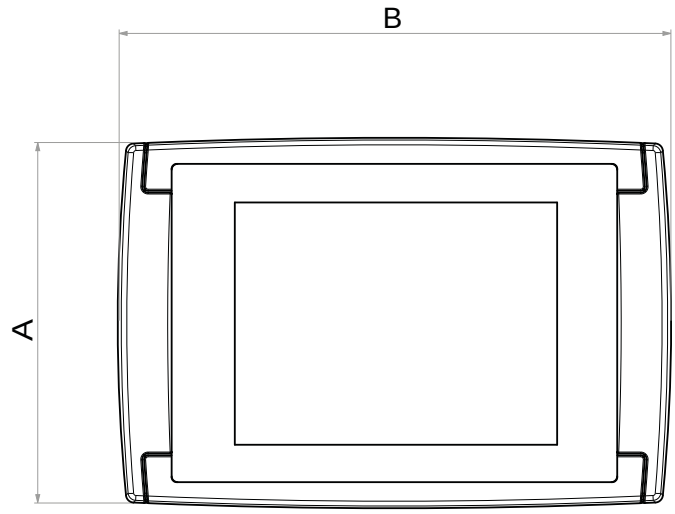
Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	●
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	-
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
8" colour touchscreen display	●
Mechanical keypad and light indicators	-
Case	ABS
IP rating	IP65
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R134 approvals	●

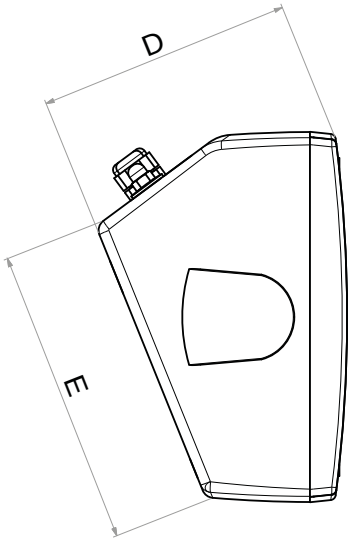
(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

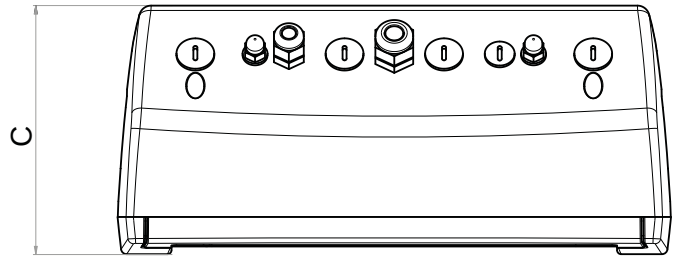
Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Technical drawing (mm)







Dimensions			
A	184 mm	**D**	128 mm
B	278 mm	**E**	150 mm
C	120 mm		

3590EGT8

8-INCH TOUCHSCREEN DISPLAY

The 3590EGT8 Weight Indicator is the ideal solution for maximum precision and versatility in industrial weighing. This advanced instrument is designed to optimise weighing processes, offering a state-of-the-art range of functions.

OIML APPROVED | IP68 | STAINLESS STEEL | UNIVERSAL BRACKET | WEBSERVER

Version codes

	DESCRIPTION	CODE	
	8-inch touchscreen indicator with IP68 stainless steel housing. Version with adjustable tilt, bracket for installation on bench or wall. Internal Ethernet port as standard. Standard AF01 program. Power cable with BS1363 EU plug.	**3590EGT8-1**	
	8-inch touchscreen indicator with IP68 stainless steel housing. Version with adjustable tilt, bracket for installation on bench or wall. Internal Ethernet port as standard. Standard AF01 program. Power cable with BS1363 plug (UK plug).	**3590EGT8UK-1**	

Why choose

- Excellent data viewing thanks to 8-inch colour touchscreen display.
- Stainless steel case with IP68 protection rating to ensure high protection against external agents. Adjustable tilt for a clear view, thanks to support bracket as standard.
- Integrated, high-brightness, Dot LED control light for instant visual cues on weighing status.
- Advanced connectivity with Ethernet port as standard, to readily connect the indicator to the company network, for easy control and management.
- In addition to the weighing program of your choice, the 3590EGT8 indicator offers a dedicated area for the development of specific application programs, an integrated debugger and PC programming tools.
- Thanks to fully customisable work screens, all necessary weighing data, registries and free texts can be managed quickly and intuitively, greatly simplifying user operations.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation thanks to new “CUSTOM LANGUAGE TOOL” software program.
- The 3590EGT8 weight indicator is CE-M certifiable (OIML R-76 / R-51 MID / R-61 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

Technical features

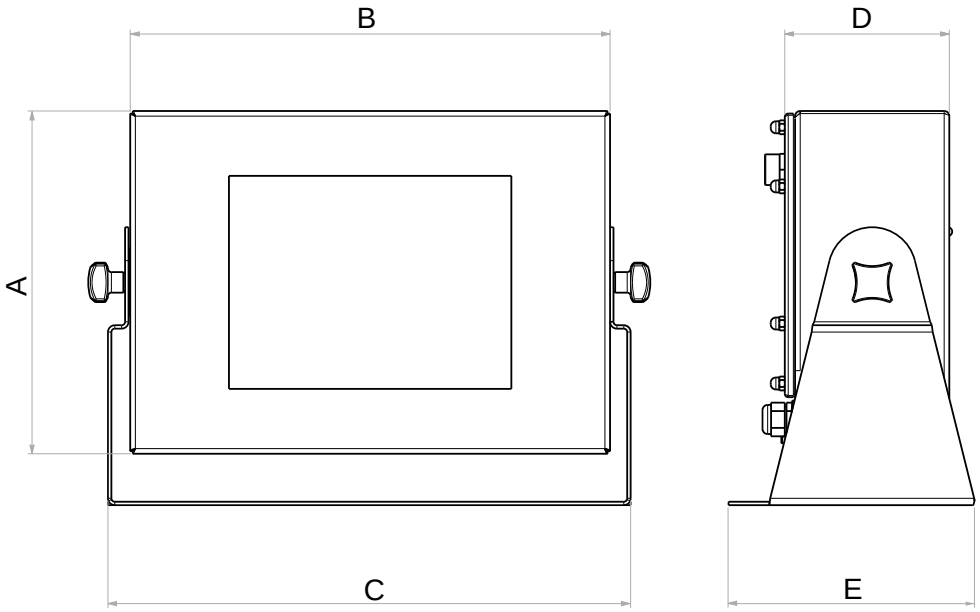
Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images	○
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	1
USB connection for PC	○
TCP/IP Ethernet	●
Wi-Fi	-
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	3
Outputs	4
Expansion with 6 inputs / 12 outputs	8 inputs / 16 outputs
Analogue output 0...10 V, 0...20 mA, 4...20 mA	-
8" colour touchscreen display	●
Mechanical keypad and light indicators	-
Case	STAINLESS STEEL
IP rating	IP68
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	○
Adjustable tilt bracket	●
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R61 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Technical drawing (mm)



Dimensions			
A	200 mm	**D**	96 mm
B	280 mm	**E**	144 mm
C	306 mm		

3590EGTB8

8-INCH TOUCHSCREEN DISPLAY

Reliable and sturdy weight indicator with 8-inch touchscreen display. Ideal for industrial applications, this device offers precision and convenience in any weighing operation.
With front panel in stainless steel and Ethernet port as standard, it offers sturdiness and easy connection. The backlit, 8-inch resistive touchscreen colour display ensures clear data viewing, even when using gloves.

OIML APPROVED · IP65 · STAINLESS STEEL · WEBSERVER · USB PORT

Version codes

	DESCRIPTION	CODE	
	8-inch touchscreen indicator with AF01 program. Panel housing. Colour display.	**3590EGTB8-1**	

Why choose

- Quick and clear data viewing thanks to 8-inch colour touchscreen display.
- The front panel in stainless steel with 8 fastening points, complete with waterproof seal, allows top-notch protection against water and dust. Additionally, it offers IP65 front protection for reliable resistance to water and dust ingress, ideal for heavy-duty industrial settings.
- Advanced connectivity with Ethernet port as standard, to readily connect the indicator to the company network, for easy control and management.
- In addition to the weighing program of your choice, the 3590EGTB8 indicator offers a dedicated area for the development of specific application programs, an integrated debugger and PC programming tools.
- Thanks to fully customisable work screens, all necessary weighing data, registries and free texts can be managed quickly and intuitively, greatly simplifying user operations.
- Multi-language software in Italian, English, German, French and Spanish. Option to enter your own translation thanks to new “CUSTOM LANGUAGE TOOL” software program.
- The 3590EGTB8 weight indicator is CE-M certifiable (OIML R-76 / R-51 MID / R-61 MID / EN 45501).

Main features

STANDARD APPLICATIONS:

- **AF01:** Totalisation and formulation

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

Technical features

Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	●
Wi-Fi	-
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	8 inputs / 16 outputs
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
8" colour touchscreen display	●
Mechanical keypad and light indicators	-
Case	AISI 304 stainless steel
IP rating	IP65 (front)
Power supply	12-24 Vdc
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	-
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R61 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- OIML R134
- Australian Pattern Approval (NMI)

DINI ARGEO
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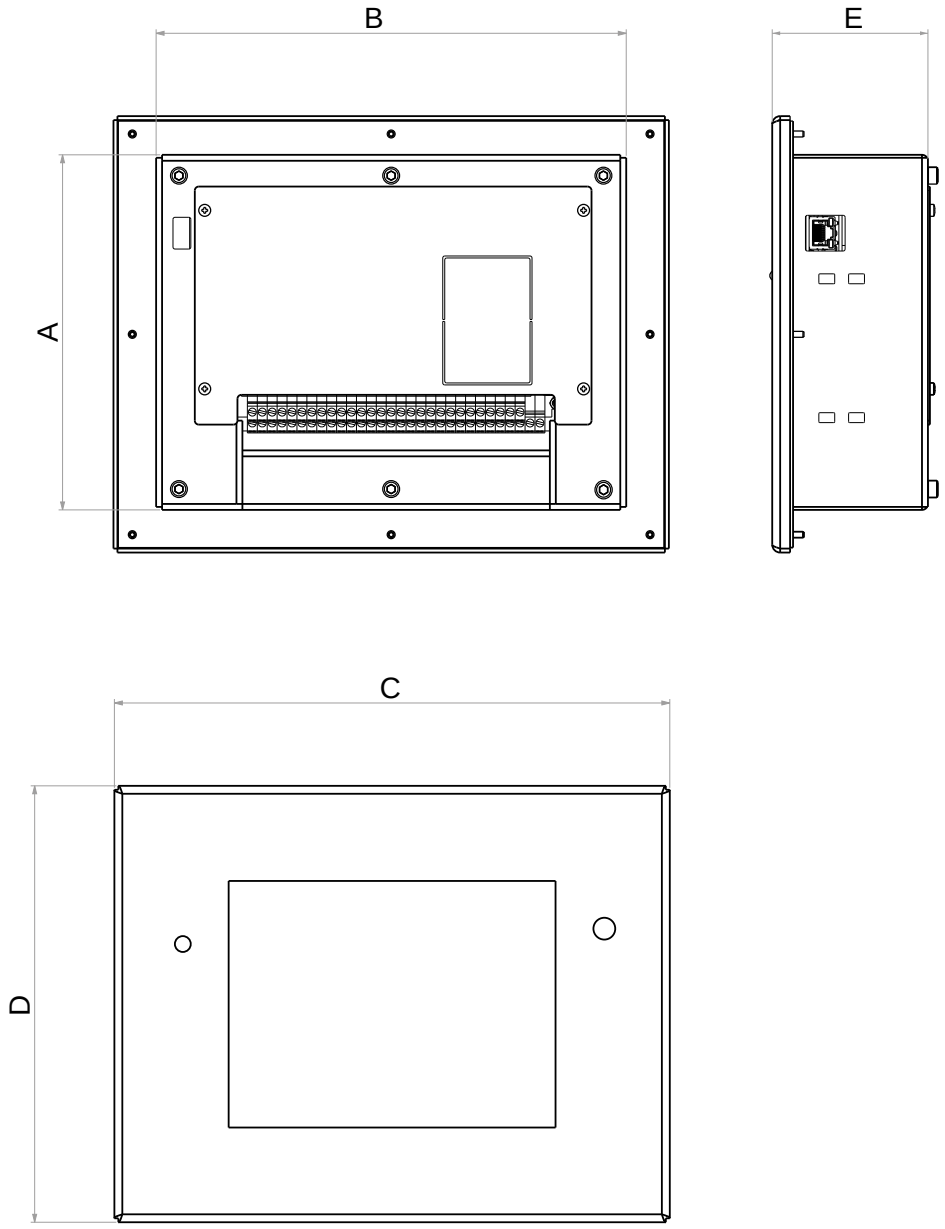
Technical drawing (mm)



Dimensions			
A	179 mm	**D**	220 mm
B	237 mm	**E**	78.5 mm
C	280 mm		

3590EGTBOX8

8-INCH TOUCHSCREEN DISPLAY

Box in waterproof stainless steel for self-service weighing, with 8-inch touchscreen weight indicator. Designed specifically for self-service systems and weighbridges, this device features an intuitive interface for efficient management.
Supplied standard with thermal printer and RFID card reader or coin slot, this is the complete solution for accurate and convenient weighing in any context.

OIML APPROVED | STAINLESS STEEL | USB PORT | RFID CARD READER

Version codes

	DESCRIPTION	CODE	
	Stainless steel box for column or wall mounting with weight indicator, 8-inch touchscreen display and AF03GT software, for weighing vehicles and managing weighbridges. Supplied with thermal printer and coin slot.	**3590EGTBOX8GET-2**	

Why choose

- Satin-finish stainless steel electrical cabinet, with protective shield for outdoor use, provides excellent protection against sun and weather, ensuring durability.
- The 8-inch, high brightness, resistive touchscreen display is easy to use even with gloves and around water and condensation.
- The double ventilation grille and integrated fan ensure optimal ventilation. The internal heater with thermostat ensures efficient operation even in the harshest conditions.
- Choose from QWERTY, AZERTY or QWERTZ touch screen keyboards for a customised input experience. With an integrated RFID proximity reader or coin slot, it offers a wide range of options for authentication and payment.
- The integrated alibi memory and quick display language selection add convenience and flexibility to the user experience. The high-performance thermal printer ensures fully configurable and customisable receipts with print speeds in excess of 150 mm/sec and 200 dpi resolution.
- With a 24-bit A/D converter and up to 3200 conv./sec, it ensures exceptional accuracy and fast data capture.
- With connection capacity for up to 16 analogue load cells and up to 3,000,000-point internal resolution, it meets the most sophisticated weighing requirements.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation, thanks to new “CUSTOM LANGUAGE TOOL” software program.
- The 3590EGTBOX8 is CE-M certifiable.

Main features

STANDARD APPLICATIONS:

- **AF03:** Program for weighbridges

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical features

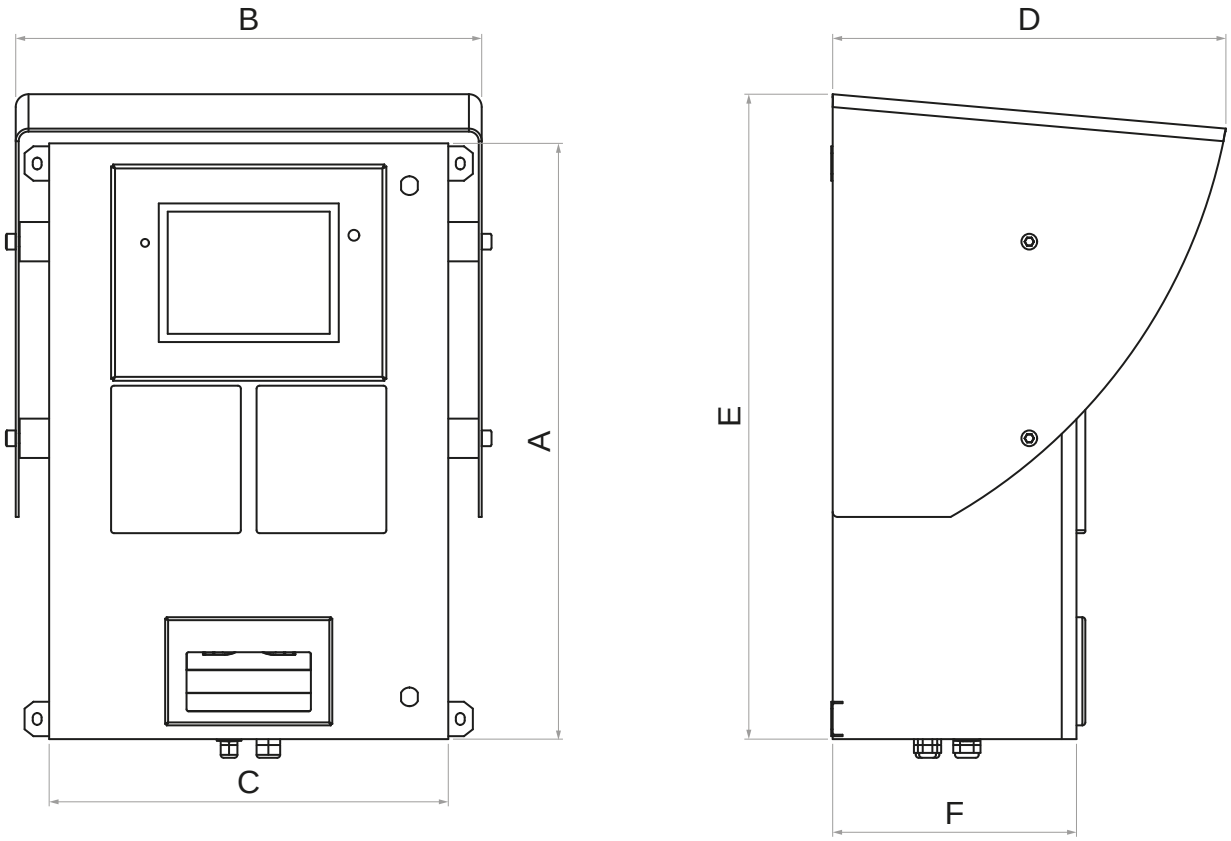
Choice of application software	-
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	○
USB connection for PC	○
TCP/IP Ethernet	●
Wi-Fi	-
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	8 inputs / 16 outputs
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
8" colour touchscreen display	●
Mechanical keypad and light indicators	-
Case	AISI 304 stainless steel
IP rating	-
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	-
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	-
No. digital load cells	16(2)
OIML R76 / R51 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
** MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Technical drawing (mm)



Dimensions			
A	606 mm	**D**	400 mm
B	474 mm	**E**	656 mm
C	406 mm	**F**	248 mm

The information in this document may be subject to change without notice.

3590ET8D / 3590ETD

5.7- OR 8-INCH TOUCHSCREEN DISPLAY

Explore our advanced solution for digital weighbridges: the weight indicator with large touch screen display available in 5.7" or 8" versions is designed for the most demanding industrial applications. Supplied with a power supply unit specifically for digital load cells, it guarantees unrivalled accuracy and stability in your weighing processes.
With its intuitive user interface and ability to handle a wide range of weighings, it makes weighing operations efficient and precise.

OIML APPROVED | IP65 | ABS | ETHERNET PORT

Version codes

	DESCRIPTION	CODE	
	Touchscreen indicator with AF03 program, specifically for connection to digital load cells. Housing in ABS. 8" colour display. Internal power supply for digital load cells. RS485 serial port with protection circuit against lightning and overvoltage.	**3590ET8D-1**	
	Touchscreen indicator with AF03 program, specifically for connection to digital load cells. Housing in ABS. 5.7" colour display. Internal power supply for digital load cells. RS485 serial port with protection circuit against lightning and overvoltage.	**3590ETD**	

Why choose

- Excellent viewing comfort, thanks to colour touchscreen display.
- Safety, durability and precision combined in a waterproof ABS case with IP65 protection rating.
- Supplied standard with 3 serial ports, Ethernet port, data transmission communication protocols, fully configurable printouts, integrated alibi memory and input for barcode/badge reader.
- In addition to the weighing program of your choice, the 3590 indicator offers a dedicated area for the development of specific application programs, an integrated debugger and PC programming tools.
- Thanks to fully customisable work screens, all necessary weighing data, registries and free texts can be managed quickly and intuitively, greatly simplifying user operations.
- Multi-language software in Italian, English, German, French, Portuguese and Spanish. Option to enter your own translation thanks to new "CUSTOM LANGUAGE TOOL" software program.
- The 3590ET8D / 3590ETD weight indicators are CE-M certifiable (OIML R-76 / EN 45501).

Main features

STANDARD APPLICATIONS:

- The indicator is fitted as standard with the **AF03GT** application program, specifically for weighbridges.

USER CUSTOMISABLE:

- Specific weighing programs according to client requirements
- Tailor-made weighing programs to replace pre-exiting system terminals
- Wizards, messages for the operator
- Management of serial ports, customisation of protocols
- Full management of digital I/O
- Sequential or simultaneous automations
- Tailor-made data entry, archives

UPON REQUEST:

Dini Argeo also offers the program development service (upon request).

Technical features

Choice of application software	●
Fully customisable printouts and labels	●
Customised program development environment	●
Archives and registries	●
Alibi memory	●
Internal microSD slot for logos and images*	●
RS232 serial ports	3
RS485 serial port (replacing 1 x RS232 serial port)	1 / ●
USB connection for PC	○ / -
TCP/IP Ethernet	● / ○
Wi-Fi	○
USB flash drive to save weighings	○
Profibus / Modbus TCP / EtherCAT / DeviceNET / ProfiNET interfaces	○
Bluetooth interface	○
Inputs	○ x2
Outputs	○ x4
Expansion with 6 inputs / 12 outputs	-
Analogue output 0...10 V, 0...20 mA, 4...20 mA	○
8" colour touchscreen display	●
Mechanical keypad and light indicators	-
Case	ABS
IP rating	IP65
Power supply	110-240 Vac
Multi-language program	●
Input for external keypad/barcode reader	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 2x6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	5(1)
No. analogue load cells	16, 350 Ω 45, 1000 Ω
No. digital load cells	16(2)
OIML R76 / R51 - MID / R134 approvals	●

(1) 4 analogue scales + 1 remote scale, via serial.
(2) Only for vehicle weighing programs (AF03, AF08, AF09).
* *MicroSD not included*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134
- Australian Pattern Approval (NMI)

Supported digital load cells

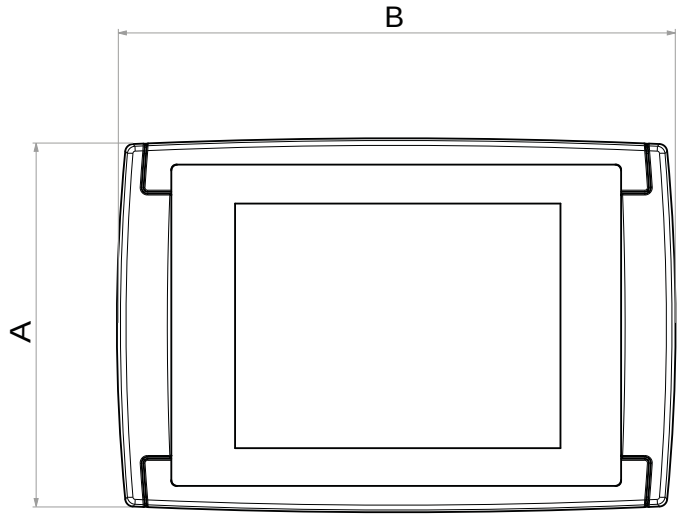
- The specific hardware integrated in 3590ET8D and 3590ETD indicators, in combination with the AF03GT application program supplied as standard, enables managing the main digital load cells on the market:

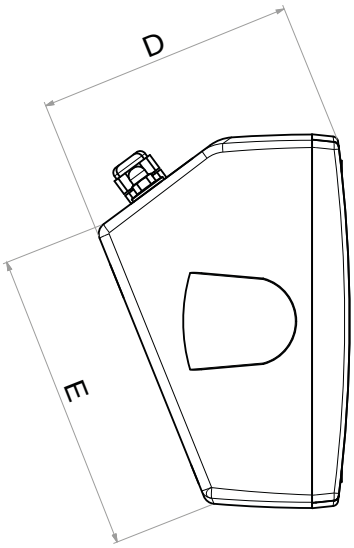
Dini Argeo RCPTD
Dini Argeo RCD
Rice Lake RL5426D/5416D
Sensocar SP/CS
Scaime CB50X-DL
Flintec RC3D
HBM C16i (requires the HBM junction box and RS422\RS485 converter)

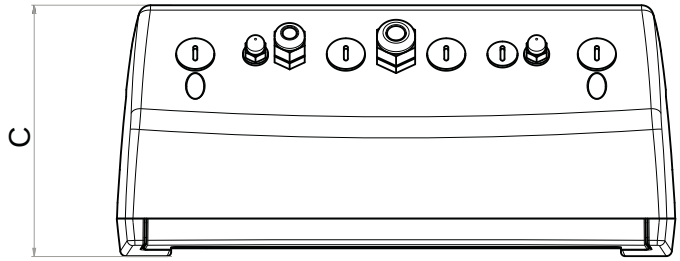
For a complete list of supported load cells, see the technical manual for the weighing program.

DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical drawing (mm)







Dimensions			
A	184 mm	**D**	128 mm
B	278 mm	**E**	150 mm
C	120 mm		

LIST OF MAIN

OPTIONS AND ACCESSORIES

3590 SERIES

DINI ARGEO

Main options and accessories

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	Connection cable for BP6ESTATEX3GD battery.							•							**BTCB3GD**
	IP69K version.						•								**IP69K**
	Bracket for installing panel indicator.						•	•						•	**PANEL-ST**
	Version with AU power cable.									•					**PWCORDAUSVDE**
	Version with BS1363 power cable (UK plug).									•					**PWCORDUKVDE**
	RS232/C cable l=1.5 m for connection to PC.									•					**RSCBP2P**
	Installation, configuration and testing of Fieldbus 1S module. NET PRICE.	•		•			•	•	•				•		**FB1SINST**
	Version with US type-B power cable (Japan, North and Central America).									•					**PWCORDUSVDE**
	Kit of 10 metal expanders PG9 to PG11, IP68 (max. cable ø 12 mm)	•	•	•		•	•		•	•	•	•			**PG9PG11C**
	Kit of 10 metal expanders PG9 to PG13, IP68 (max. cable ø 12 mm)	•	•	•		•	•		•	•	•	•			**PG9PG13C**
	Installation of the ZBA1S / PFB485EX Zener barrier inside the indicator case. Note: the desired length of cable must also be purchased. NET PRICE.							•							**ZBINST**
	Radio alphanumeric repeater with multicolour 110-mm LED display.										•				**GLR100-2G4**
	RS485 alphanumeric repeater with multicolour 110-mm LED display. Complete with 10-m RS485 cable with IP67 connector.		•	•	•	•	•		•	•	•	•	•		**GLR100**
	RS485/CANOPEN interface for DIN rail with PCB, terminals, plastic box and labels with UL marking (if included).		•	•	•	•	•	•	•		•	•	•	•	**CANOPEN1S**
	RS485 - DeviceNET interface for DIN rail with PCB, terminals, plastic box and labels with UL marking (if included).	•	•	•	•	•	•	•	•		•	•	•	•	**DEVICENET1S**
	RS485 - EtherCAT interface for DIN rail with PCB, terminals, plastic box and labels with UL marking (if included).	•	•	•	•	•	•	•	•		•	•	•	•	**ETHERCAT1S**
	RS485 - Ethernet IP interface for DIN rail with PCB, terminals, plastic box and labels with UL marking (if included).	•	•	•	•	•	•	•	•		•	•	•	•	**ETHERNETIP1S**
	ProfiNET interface for DIN rail with PCB, terminals, plastic box and labels with UL marking (if included).	•	•	•	•	•	•	•	•		•	•	•	•	**PROFINET1S**

Main options and accessories

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Armoured cable 6x0.25 mm² (suitable for Ex zones). Internal sheath in PVC, diameter 5 mm. Armour in iron and zinc alloy. External sheath in clear PVC, diameter 8 mm. Working temperature: -15 / +70 °C. Minimum bend radius >/= 5 x O.D. €/m							•							**LCCBA**	
	Power supply unit kit and protection board for digital load cells. Includes RS485 Chip. NOTE: Assembly included in price.			•			•		•						**DIGIKIT**	
	ETHCBEX cable with cable gland and connectors. Length: 10 m.							•						•	**ETHCBEX10M**	S3
	RS485 connection cable for series Fieldbus to CPU. Length: 20 cm.	•		•			•	•	•				•	•	**191750**	
	Connection cable to CPU for series Fieldbus 1S. Length: 2 m		•			•					•	•		•	**FB1SCB2M**	
	Protective barrier for RS485, for direct connection in safe area. Max cable length: 200 m.							•							**PFB485EX**	
	Program for quick customisation of touchscreen display. For 3590ET and 3590EGT series indicators.		•	•	•	•	•		•	•	•	•	•	•	**DDT**	
	Intrinsically safe Zener barrier with three channels. Specific for connection to load cells, for mounting on DIN rail in safe area or explosion-proof enclosure.		•	•	•	•	•	•	•						**ZBA1S**	

Approval

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Approved for Australia, for individual platform/scale.	•	•	•	•		•	•	•					•	**ECEM-AU**	
	3000e approval service, for individual platform/scale.					•							•		**ECEM**	
	Welmec plates and module for a scale. NET PRICE. Service available in combination with Dini Argeo indicator.	•	•	•	•	•	•	•	•	•	•	•		•	**KCEM**	

Available applications

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Program for counting pieces/quantities.	•	•	•	•	•	•	•	•					•	**AF02**	
	Program for industrial weight/pricing labelling.	•	•	•	•	•	•	•	•					•	**AF05**	
	Program for static wheel and axle weighing on 2 or more platforms.		•	•	•	•	•	•	•					•	**AF08**	
	Program for single-component dosage in loading and unloading.	•	•	•	•	•	•	•	•					•	**BATCH1**	
	Program for dynamic or static axle weighing on 1 or 2 platforms.		•	•	•	•	•	•	•					•	**AF09**	
	Program for multi-component dosage in loading and unloading. NOTE: assembly on 3590 indicator requires IOEXPB expansion board.	•		•	•		•	•	•					•	**BATCH**	
	Program for weighing packages on conveyor belt. R61 certifiable.	•	•	•	•	•	•	•	•					•	**CHECK**	
	Program for weighbridge, entry/exit of vehicles. For 3590 “TOUCHSCREEN” series weight indicators.		•	•	•	•	•	•	•	•				•	**AF03GT**	
	Program for production/statistical control. For 3590 “TOUCHSCREEN” series weight indicators.	•	•	•	•	•	•	•	•					•	**AF04GT**	

Saving weights

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Set of 5 USB flash drives for storing weights.		•	•	•	•	•		•	•	•	•	•		**USBK**	
	Internal interface for saving data on USB flash drive. Combine with 3590EGT8 touchscreen weight indicators. Does not occupy serial ports. USB flash drive supplied as standard.			•											**USBEGT8** (S6)	
	Integrated USB port for saving data on USB flash drive. Combine with touchscreen weight indicators. Does not occupy serial ports. USB flash drive supplied as standard.		•			•	•		•		•	•			**USBEGT**	
	WeiMonitor PC software for monitoring/ recording weighings made on connected scale, in real time.	•	•	•	•	•	•	•	•	•	•	•	•	•	**SWM**	
	Panel interface for saving data on USB flash drive. Does not occupy serial ports.									•					**USBEGTKR**	

Junction boxes / Junction boards - Cell cables

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Internal board for quick connection of multiple scales.	•		•	•		•	•	•						**3590E4CH**	S1
	LCCBC cable + 10-m extension.		•	•	•	•	•		•						**LCCB10C**	S1
	LCCBC cable + 5-m extension.		•	•	•	•	•		•						**LCCB5C**	S1
	Shielded cable 6x0.25 mm² (suitable for Ex zones).							•							**LCCB**	
	Cable for connection of platform to indicator, l=50 cm. Female connector, solder type.		•	•	•	•	•		•						**LCCBC**	S1
	RS485 junction box, up to 10 digital load cells. Case in reinforced polyester, with up to 10 + 1 cable glands and surge arresters.			•			•		•		•	•			**JB10QD-1**	
	Stainless steel equalised junction box with up to 4 load cells. IP68/IP69K protection rating, with 4 + 1 cable gland.	•													**JB4QIP69K**	

Display customisation

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Set of 10 storage memories for customising display with logos and images.	•	•	•	•	•	•		•	•	•	•		•	**GTMEM**	

ATEX 2GD push-button panel

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Armoured cable 4x0.5 mm² (suitable for Ex zones). Inner sheath in PVC.							•						•	**EXACB4**	S6
	EX 2GD push-button panel with 2 buttons and cable gland (optional connection cable).							•							**EXPHBN**	

DINI ARGEO | *The information in this document may be subject to change without notice.*

Printers / Labellers

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Label customisation (max. 4 formats). NET price.	•		•	•		•	•	•						APRNSERV	
	Receipt customisation (max. 4 formats). NET price.		•	•	•	•	•		•						PRNSERV	
	Service loading one custom code-page, for TPR printer. Standard code-page: PC437 (USA, CENTRAL EUROPE)		•	•	•	•	•		•						CODEPG	
	High impact DotMatrix printer. Paper / Labels / Cards not included.							•							TM295	S1
	High impact DotMatrix printer. Paper not included.		•	•	•	•	•		•						LX300PRO	S1
	Panel thermal printer with connection cable. 5 Vdc power supply (power supply unit not included).			•			•		•		•	•			TPRP	S1
	Thermal printer solidly connected to 3590EGT indicator. IP65 stainless steel with splash/ dust protection door, for harsh environments or requiring high hygiene standards. Power supply from indicator.			•			•		•		•	•			TPRXTEGT-1	S1
	Thermal transfer or direct thermal labeler with peel-off mechanism. Maximum print dimensions: 25400 x 108 mm. Maximum roll diameter: 127 mm, and width up to 112 mm.			•			•		•		•	•			LP542TE	S1
	Desktop thermal printer. IP40 ABS container for the weight indicator, with a 1.5-m connection cable and internal power supply unit.			•			•		•		•	•			OBTPRB	S1
	Thermal desktop printer with cutter. Paper roll not included.		•	•	•	•	•		•		•	•			PR80-3	S1
	Direct thermal or transfer labeller. Optional peel-off. Maximum print dimensions: 25400 x 108 mm. Maximum roll diameter: 203 mm, and width up to 118 mm.	•													SMTPLUS-1	S1
	Peel-off and rewind kit for SMTPLUS-1 labeller.	•	•	•	•	•	•		•					•	SMTRPK-1	S1

Communication interfaces

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Internal RS485 interface (assembly and cable gland not included).	•	•			•	•								RS485C	S1
	Internal opto-isolated RS485 interface (assembly and cable gland not included).	•	•	•	•	•	•		•						RS485OPTO	S1
	Internal opto-isolated analogue output, 0-4/20 mA, 0-10 Vdc. (cable gland not included). For DFW, 3590 and CPW series indicators.	•		•	•		•	•	•					•	DAC16O-2	S1
	Internal RS232 / RS485 opto-isolated analogue output, 04/20 mA, 10/10 Vdc. For 3590 Touch Screen series indicators.		•	•		•	•	•	•					•	DAC16OSER	S1
	External RS232/Ethernet interface. Suitable for creating networked multi-station weighbridge systems. Compatible only with AF03 software.		•		•	•	•				•	•	•		SETHNET	S1
	External 2.4 GHz radio module for PC, with USB cable l = 1 m. Power supply direct from USB port.	•	•	•	•	•	•		•		•	•			OBRF2G4-USB	
	External RS232/RS485/PROFIBUS interface for DIN rail.	•	•	•	•	•	•		•		•	•		•	PROFI232-1	
	RS485 Profibus interface for DIN rail with PCB, terminals, plastic box and labels with UL marking (if included).			•					•						PROFIBUS1S	
	Internal 2.4 GHz radio module with IP69K rating.	•													RF2G469K	S1
	Internal 2.4 GHz radio module.		•	•		•	•		•		•	•		•	RF2G4	S1
	2.4 GHz radio-frequency module for ATEX zones 2 & 22.							•							OBRF2G4-3GD	S6
	External 2.4 GHz radio module, with cable l = 3 m.	•	•	•	•	•	•		•		•	•			OBRF2G4	S1
	RS232 / RS485 / Ethernet converter. Modbus RTU / Modbus TCP/IP (if compatible).				•								•		SETHDIN1	
	Internal Wi-Fi interface. For wireless connection (via access point) to the company computer system.		•			•				•	•	•		•	WIFITD3	S1
	Internal Wi-Fi interface. For wireless connection (via access point) to the company computer system.			•			•		•						WIFITPWLK2	S1
	Internal Bluetooth interface. For wireless connection of the scale to tablets, smartphones, laptop PCs or barcode readers.	•	•	•	•	•	•		•	•	•	•		•	BLTH-3	S1
	Internal Ethernet interface. 10100 Mbps speed, TCP, UDP, IP, ARP, ICMP protocols, Ethernet Mac.	•				•	•	•	•	•	•			•	ETHD	S1
	Internal Wi-Fi interface with IP69K rating. For wireless connection (via access point) to the company computer system.	•													WIFITD69K	

Connection cables

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	RS232 cable l = 1.5 m for LP542xx, SMTPLUS, PR80 printers.	•	•	•	•	•	•		•		•	•			**RSCBLP**	S1
	RS232 cable l = 10 m for LP542xx, SMTPLUS, PR80 printers.	•	•	•	•	•	•		•		•	•			**RSCBLP10M**	S1
	RS232 cable l = 1.5 m for LX300, TM295 printers.		•	•	•	•	•		•		•	•			**RSCBLX**	S1
	RS232/C - DB9/RJ11 serial cable - l = 1.5 m.	•	•	•		•	•		•		•	•			**RSCBRJ**	S1
	RS232/C - DB9/RJ11 serial cable - l = 10 m.	•	•	•		•	•		•		•	•			**RSCBRJ10M**	S1
	4-core shielded twisted pair cable (2x2x0.34 mm^2), for RS485 communication or analogue output.			•			•	•	•		•	•		•	**RSCBTW**	
	USB PC/RS485 converter cable, l=1.5 m. With PG9 metal cable gland.	•	•	•	•	•	•		•		•	•			**RSCBUSB485**	
	Ethernet cable, l = 1.5 m. With cable gland, for connection between indicator and PC network.	•	•	•		•	•		•	•	•	•			**ETHCBRJ**	S1
	USB PC/RS232 DB9 converter cable, l=1.5 m. USB/DB9 connector.									•					**RSCBUSBKR**	
	USB PC/RS232 converter cable, l = 1.5 m, with PG9. USB/RJ11 connector. Connects to weight indicators with IP65, IP68 and IP69K rating.	•	•	•		•	•		•		•	•			**RSCBUSBPG**	S1
	Multi-core cable (4x2xAWG24) suitable for Ethernet connections in Ex zones (connectors and cable gland only installed with S6 service).							•						•	**ETHCBEX**	S6

Weight repeaters

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	RS485 alphanumeric repeater with 110 mm multicolour LED display, stainless steel casing and IP68 protection rating.	•													**GLR100I**
	Weight repeater with 60-mm LED display. Housing in IP68 stainless steel, 5-key keypad, valve for regulating humidity and pressure, and configurable protocol.	•													**DGT60R-1**
	Weight repeater with 100-mm LED display. Housing in IP68 stainless steel, 5-key keypad, and valve for regulating humidity and pressure.	•	•	•	•	•	•		•	•	•	•	•		**DGT100R-1**

PC keyboard / Barcode reader / Connection cable

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	PC keyboard cable with mini DIN connector.		•	•	•	•	•		•	•	•	•			KBCBCE	S1
	QWERTY PC keyboard (requires mini DIN cable).		•	•	•	•	•		•	•	•	•			PCKBRD	
	Optical 1D/2D barcode reader with stand.		•		•	•	•		•	•	•	•			SC2D	S1
	Optical 1D barcode reader with stand.		•	•	•	•	•		•	•	•	•			SCCDR21	S1
	Bluetooth scanner for 1D/2D barcode. Charging base included.		•	•	•	•	•		•	•	•	•			SCBTH	S2
	Pocket Bluetooth scanner for 1D/2D barcode. With USB cable for charging.		•	•	•	•	•		•	•	•	•			SCBTHP	S2

RS485 protection against lightning and overvoltage

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	Protection circuit for 485 port, with case for installation on DIN rail. Protection according to IEC 1000-4-5/D (IEC 801-5/D).												•		RS485PDIN

Control light

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	3-Way control light in ABS (for indicators with relay outputs). Acoustic alarm signal, connection cable, power supply from indicator.		•			•									OBCLTP	S1

Options for ATEX installations

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	ATEX equalised junction box in IP67 ABS, for up to 4 cells. 4 + 1 cable gland.		•	•	•	•	•	•	•						JB4QA	
	ATEX equalised junction box, IP66 stainless steel, up to 4 cells. 4 + 1 cable gland.		•	•	•	•	•	•	•						JB4QAI	
	ATEX Zener 3 barrier kit for load cells, in ABS box. For up to 4 x 350 ohm cells, for intrinsically safe weighing systems in hazardous area.		•	•	•	•	•	•	•						KMB4-1	
	ATEX box kit in ABS, with ZBA1S barrier for load cells. For intrinsically safe weighing systems in hazardous area.		•	•	•	•	•	•	•						KZBA-1	
	Blue shielded cable 6x0.22 mm², only for EX i assemblies (2GD). Inner sheath in PVC. Shielding with tinned copper braid.		•	•	•	•	•		•						EXCB6	
	ATEX Declaration of Conformity for equipment. Type: Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115°C Dc X. Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN, DE, FR, ES and IT).													•	DCATEX3GD	
	ATEX Declaration for equipment for system with Dini Argeo Zener barriers. Type: Ex II 2G IIC T6 Gb X and Ex II 2D IIIC T125°C Db X. Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN and IT).		•	•	•	•	•		•					•	DCATEXMB4	
	ATEX Declaration of Conformity for equipment. Type: Ex II 3G IIB T6 Gc X and Ex II 3D IIIC T115 °C Dc X. Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN, DE, FR, ES and IT).							•							DCATEX3590E3GD	

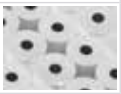
Power supply units

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Battery charger for safe zone, for ATEX BP6ESTATEX3GD battery.							•							BP6CB	
	5 Vdc power supply unit.				•										TPRPCAL	
	Power supply unit for DIN rail, 12 Vdc. 110-240Vac in input. CE and UL approval. Not compatible with BOX2121S.				•										MDR2012	
	External ATEX battery pack, in IP65 stainless steel, for zones 2 and 22.							•							BP6ESTATEX3GD	

Digital Inputs / Outputs

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	Kit of 2 opto-isolated inputs (assembly and cable gland not included).	•	•			•	•			•	•	•			C2IN
	Kit of 4 opto-isolated outputs (assembly and cable gland not included).	•	•			•	•			•	•	•			C4OUT
	Internal board for 12 OUT and 6 IN (assembly and cable gland not included). Includes expansion circuit of indicator power supply range (8-40 Vdc).			•	•										IOEXPBE
	Internal board for 12 OUT and 6 IN (assembly and cable gland not included). Includes expansion circuit of indicator power supply range (8-40 Vdc).	•					•	•	•					•	IOEXPB

Consumables

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	Thermal paper roll, width: 80 mm. Hole: 25 mm. Outer diameter: 60 mm.												•		RPT80SELF
	Set of 500 tokens for coin slot.												•		GETT500
	50 thermal paper rolls, length: 30 m, width: 57 mm. Hole: 12 mm. Outer diameter: 51 mm.									•					RPT57C

Floor columns

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	Column in stainless steel, 450x450 mm, h=917 mm, Ø 38 mm. Base in painted steel. For DINI ARGEO and SCALE HOUSE indicators.		•	•		•	•		•						CSP38
	Column in stainless steel, 350x350mm mm, h=750 mm. Base in painted steel. For DINI ARGEO and SCALE HOUSE indicators.		•	•		•	•		•						CSP38D
	Column in AISI 304 stainless steel, 450x450 mm, h=917 mm, Ø 38 mm. For DINI ARGEO and SCALE HOUSE indicators.	•	•	•		•	•	•	•						CSP38I1

PG cable glands

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	Set of 10 PG11 metal cable glands for weight indicators.	•					•								**PG11M**
	Set of 10 PG13 metal cable glands for weight indicators.	•					•								**PG13M**
	Set of 10 PG7 metal cable glands for weight indicators. With ring nuts and seals.	•		•			•		•						**PG7M**
	Set of 10 PG7 cable glands for indicators in ABS. With ring nuts and seals.		•			•					•	•			**PG7P**
	Set of 10 PG9 metal cable glands for weight indicators. With ring nuts and seals.	•		•			•		•						**PG9M**
	Set of 10 PG9 cable glands for indicators in ABS. With ring nuts and seals.		•			•				•	•	•			**PG9P**
	Set of 10 PG7 metal cable glands for ATEX indicators. With ring nuts and seals. Cable diameter: from 3 to 6.5 mm.							•							**PG7EX**
	Set of 10 PG9 metal cable glands for ATEX indicators. With ring nuts and seals. Cable diameter: from 4 to 8 mm.							•							**PG9EX**
	PG7 cable gland for DFW and 3590 series IECEx Cable diameter: from 4 to 7 mm.													•	**PG7-IECEX**
	PG7 cable gland for DFW and 3590 series IECEx Cable diameter: from 4 to 7 mm.													•	**PG9-IECEX**
	PG7 cable gland for DFW and 3590 series IECEx Cable diameter: from 4 to 7 mm.													•	**PG13-IECEX**

Optional power supply cables

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code
	Version with AU power cable.	•	•	•		•	•		•		•	•	•		**PWCORDAUS**
	Version with SEV1011 power cable (CH plug).	•	•	•		•	•		•		•	•	•		**PWCORDCH**
	Version with BS1363 power cable (UK plug).	•	•	•		•	•		•		•	•	•		**PWCORDUK**
	Version with US type-B power cable (Japan, North and Central America).	•	•	•		•	•		•		•	•	•		**PWCORDUS**

Remote controls

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Radio-frequency remote control and receiver with extension for installations where other optional boards are required with connection on AMP.	•	•	•	•	•	•		•	•	•	•			**TLRP**	S1

Protection cover

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Kit of 10 moulded protective covers in clear plastic. For 3590ED and 3590EGT indicators.	•					•								**CVRXT**	
	Kit of 10 moulded protective covers in clear plastic. For DFWXP or 3590EXP series indicators with case in ABS.		•			•					•	•			**CVRXP**	

External battery

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	External battery charger for BT6V12A battery.		•	•		•	•		•						**BP6CBE**	
	Connection cable for BP6V12A battery.		•	•		•	•		•						**BTCB6**	S1
	External 6V 12Ah battery pack, in stainless steel, IP67.		•	•		•	•		•						**BP6V12A**	

Protection against electric discharges

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Protection board against electric discharges according to IEC 1000-4-5/D (IEC 801-5/D).		•	•		•	•		•	•					**3590EEP**	S1

The information in this document may be subject to change without notice.

Columns, support brackets, shields

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Bracket in stainless steel for mounting ATEX battery on column. Compatible with “DFWBP76ATEX..”, “IECEXB”, “BP6ESTATEX3GD..” and “BP6V12A”.		•	•		•	•	•	•						**STFA12**	
	AISI 304 stainless steel bracket, adjustable tilt. For mounting weight indicator.	•	•			•	•	•			•	•			**STFR-1**	
	AISI 304 stainless steel bracket, wall-mount. For mounting weight indicator.	•	•			•	•	•			•	•			**STFI-1**	
	AISI 304 stainless steel bracket, adjustable tilt. For mounting IECEX weight indicators.													•	**EXSTFR**	
	AISI 304 stainless steel bracket, wall-mount. For mounting IECEX weight indicators.													•	**EXSTFI**	

Program for compiling archives

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	PC program for quick compilation of archives. For 3590Exx and CPWExx tools.	•	•	•	•	•	•	•	•	•	•	•	•		**DBM**	

Other options

	Description	3590EGT HYGIENX®	3590ET8	3590EGT8	3590EGTB8	3590ET	3590EGT	3590EGT3GD	3590EGTT	3590ETKR	3590ETD	3590ET8D	3590EGTBOX8	3590EGT IECEX3GD	Code	
	Technical support by telephone upon request.	•	•	•	•	•	•	•	•	•	•	•		•	**TECSUP**	
	Printed technical manual (downloadable for free from the website).	•	•	•	•	•	•		•	•	•	•			**TECMAN**	
	Printed user manual (downloadable for free from the website, in the “DOCUMENTS” section in the Home Page, by entering the product serial number).	•	•	•	•	•	•		•	•	•	•			**UMAN**	
	EU Declaration of Conformity, EU verification certificate, test certificate and metrology booklet, in printed format.	•	•	•	•	•	•	•	•	•	•	•	•	•	**ECEMDOC**	
	Set of 10 RFID cards for use with RFID reader.												•		**RFIDCARD**	

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WEIGHT INDICATORS
DFW SERIES

The Dini Argeo DFW series includes a wide range of indicators ideal for basic industrial applications, in various settings and sectors. They are easy to program and use, and the wide choice of available functions and interfaces makes DFW weight indicators perfect for every weighing need.

DFW indicators feature customisable multifunction weighing programs that make it easy for operators to quickly choose different weighing modes, such as zeroing, net and gross, weight totalisation, piece-counting, formulation, percentage weighing and more.

DFW SERIES

		DFWX	DFWX HYGIENX®	DFWXS	DFWK HYGIENX®
PLUS	Multifunction program	●	●	●	●
	Program for weighbridges	-	-	-	-
	Program for weighing wheels and vehicle axles	-	-	-	-
	Program for dosing	-	-	-	-
	Thermal printer	O	O	O	O
	Time and date	O	O	O	O
	Printing labels	O	O	O	●
COMMUNICATION	RS232/C bidirectional port	● (x2)	● (x2)	● (x2)	● (x2)
	RS485 serial port (replacing 1 x RS232 serial port)	●	●	●	O
	Bidirectional serial port over fibre optic	-	-	-	-
	USB connection for PC	●	●	●	O
	TCP/IP Ethernet	●	●	O	O
	Wi-Fi	O	O	O	-
	USB flash drive to save weighings	-	-	-	-
	Bluetooth interface	O	O	O	O
IN/OUT	Inputs	O (x2)	O (x2)	O (x2)	O (x2)
	Outputs	O (x6)	O (x6)	O (x6)	O (x6)
	Analogue output (4...20 mA/0...10 Vdc)	O	O	O	-
HARDWARE	Backlit LCD display	●	●	●	●
	Specific display	●	●	●	-
	Keypad	Mechanical/ membrane	Mechanical	Mechanical	Mechanical
	Case	AISI 304 stainless steel	AISI 316 stainless steel	AISI 304 stainless steel	AISI 316 stainless steel
	IP rating	IP68 and IP69K	IP68 and IP69K	IP68 and IP69K	IP68 and IP69K
	Board power supply	3,3 ÷ 16 V	3,3 ÷ 16 V	3,3 ÷ 16 V	5 ÷ 12 V
	Indicator / battery charger power supply	Internal 110-230 Vac	Internal 110-230 Vac	Internal 110-230 Vac	110-240 Vac
	Internal battery	●	●	●	●
	Adjustable tilt bracket	●	●	●	O
OIML	OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e			
	Converter	24 bit / 3200 Hz	24 bit / 3200 Hz	24 bit / 3200 Hz	24 bit / 3200 Hz
	Connectable scales	1	1	1	1
	No. analogue load cells	16 x 350 Ω	16 x 350 Ω	16 x 350 Ω	8 x 350 Ω 16 x 700 Ω
	OIML R76 / R51 - MID / R134 approvals	-	-	-	●

LEGEND: ● Standard O Optional - Not available

The information in this document may be subject to change without notice.

	DFWL / DFWLB	**DFWLI**	**DFWXP**	**DFWKRP**	**DFWDXT**	**DFWKXT**	**DFWIECEX2GD**	**DFWATEX2GD / DFWATEX2GDF**
	●	●	●	-	●	●	●	● / -
	-	-	-	-	-	-	-	-
	-	-	-	●	-	-	-	-
	-	-	-	-	-	-	-	- / ●
	O	O	● **	●	O	O	-	-
	O	O	● **	●	O	O	O	-
	●	●	●	-	●	●	-	-
	● (x2)	● (x2)	● (x2)	● (x2)	● (x2)	● (x2)	-	-
	O	O	O	O	O	O	● (x1) O (x2)	-
	-	-	-	-	-	-	-	O (x1) / ● (x1)
	O	O	O	O	O	O	-	-
	-	O	O	O	O	O	-	-
	-	●	O	O	O	O	-	-
	-	-	O	O	O	O	-	-
	O	O	O	O	O	O	●	-
	-	O (x2)	O (x2)	-	O (x2)	O (x2)	O (x4)	4 **** / 4
	-	O (x6)	O (x6)	-	O (x6)	O (x6)	O (x4/12)	4 ***** / 4
	-	-	O	O	O	O	O	O / -
	●	●	●	●	-	●	●	-
	-	-	-	-	Super-bright red LEDs	-	Colour	-
	Mechanical	Mechanical	Membrane	Membrane	Membrane	Membrane	Mechanical	Membrane
	ABS	AISI 316 stainless steel	ABS	ABS	AISI 316 stainless steel	AISI 316 stainless steel	AISI 316 stainless steel	AISI 316 stainless steel
	IP54 / IP68	IP68	IP65	IP40	IP68	IP68	IP65 and IP68	IP65 and IP68
	5 ÷ 12 V	5 ÷ 12 V	Battery: 6 V Power: 12 V	Battery: 6 V Power: 12 V	Battery: 6 V Power: 12 ÷ 24 V	Battery: 6 V Power: 12 V	5,1 ÷ 9,6 V	8 ÷ 12 V
	110-240 Vac	110-240 Vac	110-240 Vac	110-240 Vac	110-240 Vac	110-240 Vac	O	O
	DFWL: 4 x AA batteries DFWLB: ●	-	●	●	●	●	External	O / -
	●	O	O	-	O	O	O	O
	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e							
	24 bit / 3200 Hz	24 bit / 3200 Hz	24 bit / 3200 Hz	24 bit / 3200 Hz	24 bit / 3200 Hz	24 bit / 3200 Hz	-	O / ●
	1	1	1	4	1	1	1	1
	DFWL: 6 x 350 Ω 16 x 700 Ω DFWLB: 7 x 350 Ω 16 x 700 Ω	8 x 350 Ω 16 x 700 Ω	8 x 350 Ω 16 x 700 Ω	25 x 1000 Ω	8 x 350 Ω 16 x 700 Ω	8 x 350 Ω 16 x 700 Ω	8 x 350 Ω	4 x 350 Ω
	●	●	●	●	●	●	●	●

** Replacing RS232 serial port.*
*** Standard in versions DFWPXP and DFWKPXP, optional in other versions.*
**** Optional in all models except those with integrated printer (DFWPXP and DFWKPXP).*
***** Standard in version DFWATEX2GDF. ***** Only in version PLUS.*

DFW SERIES

		DFWIECEX3GD	DFWATEX3GD	DFWIECEX-BATCH1
PLUS	Multifunction program	●	●	-
	Program for weighbridges	-	-	-
	Program for weighing wheels and vehicle axles	-	-	-
	Program for dosing	-	-	●
	Thermal printer	O	O	-
	Time and date	O	O	O
	Printing labels	O	O	-
COMMUNICATION	RS232/C bidirectional port	● (x2)	● (x2)	-
	RS485 serial port (replacing 1 x RS232 serial port)	O	O	● (x1) O (x2)
	Bidirectional serial port over fibre optic	-	-	-
	USB connection for PC	-	-	-
	TCP/IP Ethernet	O	O	-
	Wi-Fi	-	O	-
	USB flash drive to save weighings	-	-	-
	Bluetooth interface	-	-	O
IN/OUT	Inputs	O (x2)	O (x2)	4
	Outputs	O (x6)	O (x6)	12
	Analogue output (4...20 mA/0...10 Vdc)	-	O	O
HARDWARE	Backlit LCD display	●	●	●
	Specific display	-	-	Colour
	Keypad	Mechanical	Membrane	Mechanical
	Case	AISI 304 stainless steel	AISI 304 stainless steel	AISI 304 stainless steel
	IP rating	IP68	IP68	IP65 and IP68
	Board power supply	5 ÷ 12 V	Battery: 6 V Power: 12 V	5.1 ÷ 9.6 V
	Indicator / battery charger power supply	110-240 Vac 12-24 Vdc	110-240 Vac or battery	O
	Internal battery	-	O	O
	Adjustable tilt bracket	O	O	O
OIML	OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e		
	Converter	24 bit / 3200 Hz	24 bit / 3200 Hz	24 bit / 3200 Hz
	Connectable scales	1	1	1
	No. analogue load cells	8 x 350 Ω	8 x 350 Ω	8 x 350 Ω
	OIML R76 / R51 - MID / R134 approvals	●	●	●

LEGEND: ● Standard O Optional - Not available

** replacing RS232 serial port.*
*** standard in versions DFWPXP and DFWKPXP, optional in other versions.*
**** Optional in all models except those with integrated printer (DFWPXP and DFWKPXP).*
***** Standard in version DFWATEX2GDF. ***** Only in version PLUS.*

The information in this document may be subject to change without notice.

DFWX

21-KEY NUMERIC FUNCTION KEYBOARD AND INTERACTIVE BACKLIT LCD DISPLAY

AISI 304 stainless steel weight indicator with IP68 and IP69K protection rating to withstand dust and high-pressure water jets and temperatures. Ideal for advanced industrial applications, thanks to its versatility and numerous connectivity options.

IP68 — IP68

IP69K — IP69K

AISI 304 STAINLESS STEEL — AISI 304 STAINLESS STEEL

Version codes

	DESCRIPTION	CODE	
	Multifunction weight indicator with 110-240 Vac power supply and EU Plug. Stainless steel case. 25 mm RGB display. Provision for analog and radio frequency or Bluetooth output options.	**DFWX**	
	Multifunction weight indicator with 110-240 Vac power supply and EU Plug, with built-in rechargeable lithium battery. Stainless steel case. 25 mm RGB display. Provision for analog and radio frequency or Bluetooth output options.	**DFWXB**	
	Multifunction weight indicator with TCP/IP Ethernet port and Alibi Memory. 110-240 Vac power supply and EU plug. Stainless steel case. 25mm RGB display.	**DFWX-ETH**	
	Multifunction weight indicator with WiFi and Ethernet TCP/IP ports and Alibi Memory. 110-240 Vac power supply and EU plug, with built-in rechargeable lithium battery. Stainless Steel Case. 25mm RGB display.	**DFWXB-WIFI**	

Why choose

- Interactive 6-digit 25mm LCD display with RGB backlighting (7 selectable colors)
- 21-key numeric-function keypad
- Configurable energy-saving functions
- Enhanced connectivity
- Shortcuts available for simplified configuration
- Using multiple serial ports simultaneously
- Battery, Ethernet port, or WiFi port versions available
- Internal 110-230 Vac power supply or rechargeable lithium battery
- Compact dimensions: 170 x 200 x 70 mm
- New multifunction program

* *These quick menu access keys can be inhibited by configuring a dedicated password.*

Main features

COMMUNICATION PORTS - INPUTS/OUTPUTS:

- RS232 on screw terminals for connection to PC/Dini Argeo printers
- RS232 on AMP connector, with CTS, for connection to Dini Argeo printer
- RS485 on screw terminals for connection to PC/PLC, with Modbus RTU or ASCII protocol
- USB-C for PC connection
- Ethernet TCP/IP port (models DFWX-ETH and DFWXB-WIFI). (Includes Modbus-TCP protocol)
- WiFi Port (Model DFWXB-WIFI)

Optional:

- RadioFrequency 2.4GHz
- BLE 5.0 or BTH Classic 4.2
- Configurable analog output 4:20mA or 0-10V
- Expansion board with 2 IN and 6 OUT digital

NEW MULTIFUNCTIONAL PROGRAM:

New multifunction weighing program that allows you to use multiple functions simultaneously:

- Conversion of weight to lb, N or customized
- Counting pieces in loading or unloading
- Piece-weight control in loading or unloading, with thresholds programmable from keypad or via communication protocol
- Piece-weight totalization
- Automatic Tare function

MEASUREMENT AND METROLOGICAL FEATURES:

- Connectable to up to 16 load cells with 350Ω output resistance.
- Single-range, multi-range or multi-interval approvable, Class III or IIII, up to 10,000e per range. Minimum signal 0.3μV/e.
- Calibration up to Max. 800,000 divisions, for internal factory use; Minimum signal 0.01μV/e.
- Internal resolution up to 3,000,000 points, ideal for high resolution applications and accurate part counting.
- Up to 8 points of signal linearization.
- Digital calibration and set-up from keyboard or PC with DINITOOLS.
- Functions for silo and tank calibration
- Weighing recording approved for data exchange with PC and Management, via Alibi Memory option or D-LEGAL PC software.

Technical features

Multifunction program	●
Weighbridge program	-
Program for weighing vehicle wheels and axles	-
Dosing program	-
RS232/C bidirectional port	● x2
RS485 serial port	●
Bidirectional serial port on fiber optics	-
USB connection for PC	●
Ethernet TCP/IP	●
Wi-Fi	●
USB key for saving weighings	-
Bluetooth interface	●
Thermal printer	●
Clock and calendar	●
Label printing	●
Inputs	● x2
Outputs	● x6
Analog output 4...20 mA, 0...10 Vdc	●
Backlit LCD display	●
Specific display	-
Keyboard	Mechanical/membrane
Enclosure	AISI 304 stainless steel
IP protection	IP68 and IP69K
Power supply board	3,3 ÷ 16 V
Indicator power supply	Internal 110-230 Vac
Internal rechargeable LiPo battery (up to 100 hours of battery life depending on the model and mode of use)	●
Adjustable tilt bracket	●
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. Analog load cells	16 with 350 Ω
OIML R76 / R51 - MID / R134 certifications	-

Approvals

- EU Type Examination Certificate (45501:2015)

DINI ARGEO
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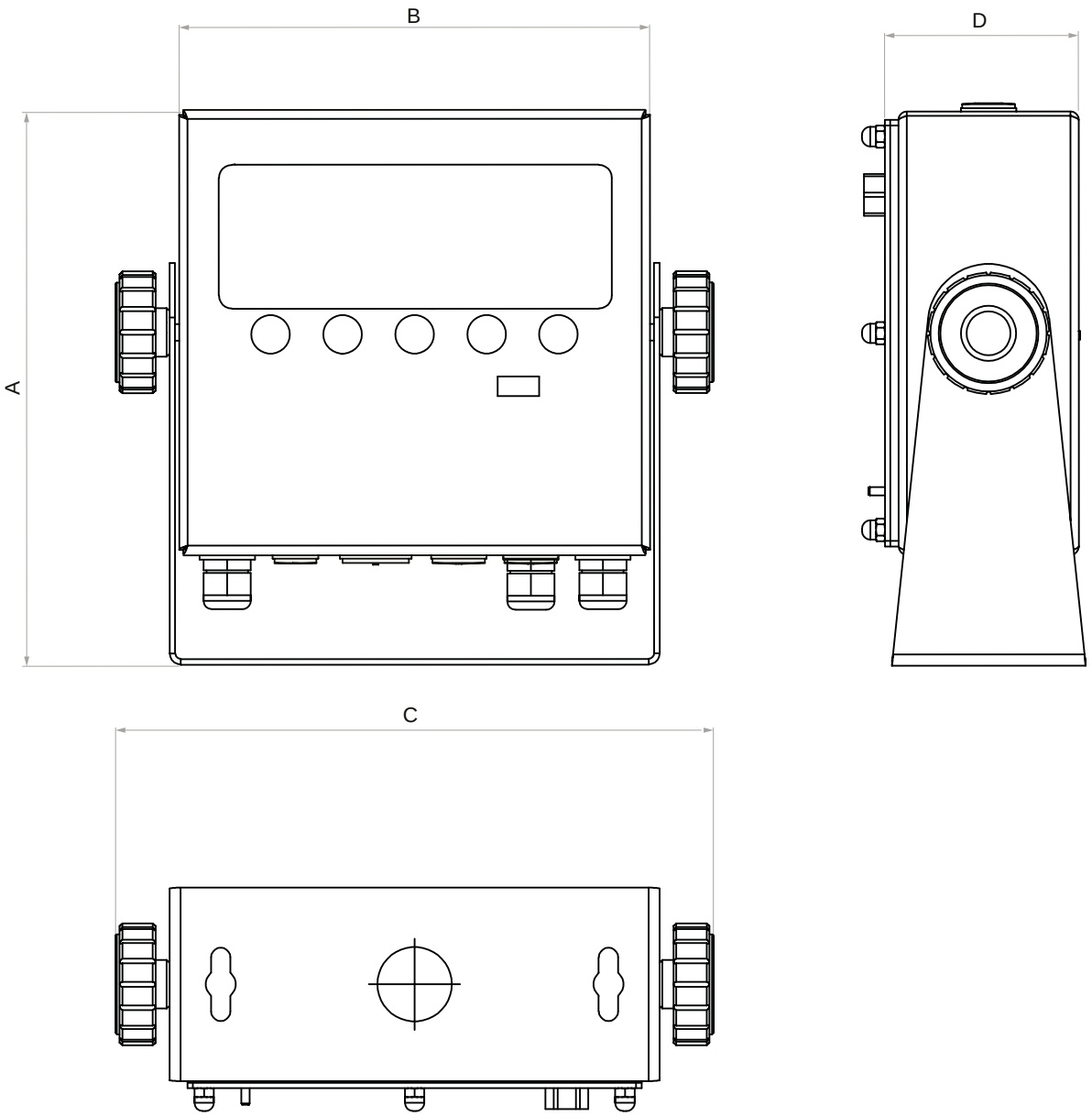
Technical drawing (mm)



Dimensions			
A	200 mm	**C**	216 mm
B	170 mm	**D**	70 mm

DFWX HYGIENX®

21-KEY NUMERIC FUNCTION KEYBOARD AND INTERACTIVE BACKLIT LCD DISPLAY

Weight indicator with electropolished AISI 316 stainless steel case, with IP68 and IP69K protection rating to withstand high-pressure and high-temperature washing, ideal for industrial environments with high hygiene requirements. Compact and robust, it stands out for its numerous connectivity options and versatility.

IP68 — IP68

IP69K — IP69K

AISI 316 STAINLESS STEEL — AISI 316 STAINLESS STEEL

Versions and codes

	DESCRIPTION	CODE	
	Multifunction weight indicator specifically designed for environments with high hygiene requirements, with 110-240 Vac EU plug power supply. AISI 316 stainless steel case, IP68/IP69K protection. 25 mm RGB display.	**DFWX-HGX**	
	Multifunction weight indicator specifically designed for environments with high hygiene requirements, with 110-240 Vac EU plug power supply and integrated rechargeable battery. AISI 316 stainless steel casing, IP68/IP69K protection. 25 mm RGB display.	**DFWXB-HGX**	

Why choose

- Interactive 6-digit 25mm LCD display with RGB backlighting (7 selectable colors)
- 21-key numeric-function keyboard
- Configurable energy-saving features
- Ideal for environments with high hygiene standards
- Enhanced connectivity
- Shortcuts available for simplified configuration
- Using multiple serial ports simultaneously
- Versions with battery, Ethernet port, or WiFi port available
- Internal power supply 110-230 Vac
- Compact dimensions: 170 x 200 x 70 mm
- New multifunction program

* *For Chinese and Greek, printer/labeller programming is required (S1, only during order phase).*
** *These quick menu access keys can be inhibited by configuring a dedicated password.*

Main features

COMMUNICATION PORTS - INPUTS/OUTPUTS:

- RS232 on screw terminals for connection to PC/ printers Dini Argeo
- RS485 on screw terminals for connection to PC/PLC, with Modbus RTU or ASCII protocol
- USB-C for PC connection

FUNCTIONS:

- Ethernet TCP\IP (Includes Modbus-TCP protocol) (requires wiring of RJ45 connector on cable)
- WiFi
- Alibi memory

NEW MULTIFUNCTIONAL PROGRAM:

New multifunction weighing program that allows you to use multiple functions simultaneously:

- Weight conversion to lb, N/kN or custom
- Piece counting during loading or unloading
- Weight control of loaded or unloaded pieces, with thresholds programmable via keyboard or communication protocol
- Totalization of weight-pieces
- Automatic tare function

MEASUREMENT AND METROLOGICAL CHARACTERISTICS:

- Connectable to up to 16 load cells with 350 Ω output resistance.
- Single-range, multi-range or multi-interval approvable, Class III or IIII, up to 10,000e per range. Minimum signal 0.3µV/e.
- Calibration up to Max. 800,000 divisions, for internal factory use; Minimum signal 0.01 µV/e.
- Internal resolution up to 3,000,000 points, ideal for high resolution applications and accurate part counting.
- Up to 8 points of signal linearization.
- Digital calibration and set-up from keyboard or PC with DINITOOLS.
- Functions for silo and tank calibration
- Weighing recording approved for data exchange with PC and Management, via Alibi Memory option or D-LEGAL PC software.

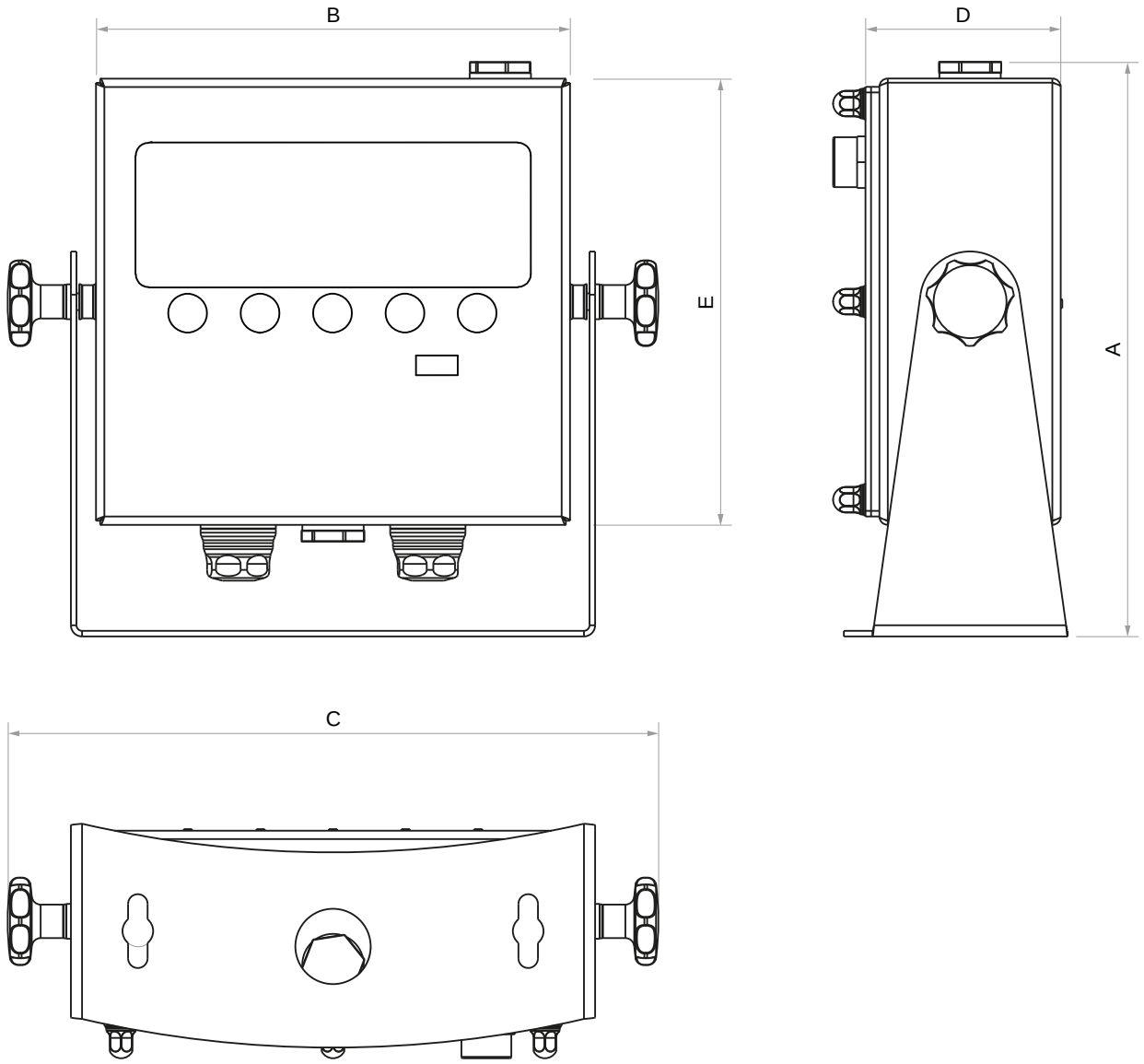
Technical features

Multifunction program	●
Weighbridge program	-
Program for weighing vehicle wheels and axles	-
Dosing program	-
RS232/C bidirectional port	●
RS485 serial port	●
Bidirectional serial port on fiber optics	-
USB connection for PC	●
Ethernet TCP/IP	●
Wi-Fi	●
USB key for saving weighings	-
Bluetooth interface	Upon request
Thermal printer	●
Clock and calendar	●
Label printing	●
Inputs	● x2
Outputs	● x6
Analog output 4...20 mA, 0...10 Vdc	●
Backlit LCD display	●
Specific display	●
Keyboard	Mechanical
Enclosure	AISI 316 stainless steel
IP protection	IP68 and IP69K
Power supply board	3,3 ÷ 16 V
Indicator power supply	Internal 110-230 Vac
Internal rechargeable LiPo battery (up to 100 hours of battery life depending on the model and mode of use)	●
Adjustable tilt bracket	●
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. Analog load cells	16 with 350 Ω
OIML R76 / R51 - MID / R134 certifications	-

Approvals

- EU Type Examination Certificate (45501:2015)

Technical drawing (mm)



Dimensions			
A	206 mm	**D**	70 mm
B	170 mm	**E**	160 mm
C	233,4 mm		

DINI ARGEO
The information in this document may be subject to change without notice.

DFWXS

5-KEY MECHANICAL KEYBOARD AND INTERACTIVE BACKLIT LCD DISPLAY

AISI 304 stainless steel weight indicator with IP68 and 69K protection rating to withstand dust and high-pressure, high-temperature water jets. Versatile and compact, it is designed to meet simple weighing applications and requirements in industrial environments, such as weighing and weight conversion.

IP68 IP69K AISI 304 STAINLESS STEEL

Version codes

	DESCRIPTION	CODE	
	Multifunction weight indicator with 110-230 Vac power supply and EU Plug, with built-in rechargeable NiMh battery. Stainless steel case. 25 mm RGB display.	**DFWXSB**	

Why choose

- Interactive 6-digit 25mm LCD display with RGB backlighting (7 selectable colors)
- 5-key “smart” mechanical keyboard
- Configurable energy-saving features
- Enhanced connectivity
- Using multiple serial ports simultaneously
- Internal power supply 110-230 Vac
- Compact dimensions: 170 x 200 x 70 mm
- New multifunction program
- Rechargeable battery, approximately 100 hours of battery life

Main features

COMMUNICATION PORTS - INPUTS/OUTPUTS:

- RS232 on RJ45/screw terminals for connection to PC/printers Dini Argeo
- RS232 on AMP connector, with CTS, for connection to Dini Argeo printers
- RS485 on screw terminals for connection to PC/PLC, with Modbus RTU or ASCII protocol
- USB-C for connection to PC
- Theoretical calibration
- Silo calibration
- Manual calibration
- Quick calibration adjustment

Optionals:

- Ethernet TCP\IP port (Includes Modbus-TCP protocol)
- WiFi Port
- RadioFrequency 2.4GHz
- BTH 4.2 or BLE 5.0
- 4...20mA o 0...10V analog output
- Expansion board with 2 IN and 6 OUT digital

NEW MULTIFUNCTION PROGRAM:

New multifunction weighing program that allows you to use multiple functions simultaneously:

- Weight conversion in lb, Newton or with freely programmable conversion factor
- Hold
- Peak (in kg or Newton)
- Animal weighing
- Piece counting
- Pieces control
- Weight control (net, gross, take-away, on zero)
- Percentage weighing
- Totalization in loading or unloading
- Manual formulation
- Automatic Tare function

MEASUREMENT AND METROLOGICAL CHARACTERISTICS

- Connectable to up to 16 load cells with 350 Ω output resistance.
- Single-range, multi-range or multi-interval approvable, Class III or IIII, up to 10,000e per range. Minimum signal 0.3 µV/e.
- Calibration up to Max. 800,000 divisions, for internal factory use; Minimum signal 0.01 µV/e.
- Internal resolution up to 3,000,000 points, ideal for high resolution applications and accurate part counting.
- Calibration in Newtons (for internal use only).
- Theoretical calibration.
- Calibration for silos and hoppers.
- Up to 8 points of signal linearization.
- Digital calibration and set-up from keyboard or PC with DINITOOLS.
- Weighing recording approved for data exchange with PC and Management, via Alibi Memory option or D-LEGAL PC software.

Technical features

Multifunction program	●
Weighbridge program	-
Program for weighing vehicle wheels and axles	-
Dosing program	-
RS232/C bidirectional port	● x2
RS485 serial port	●
Bidirectional serial port on fiber optics	-
USB connection for PC	●
Ethernet TCP/IP	○
Wi-Fi	○
USB key for saving weighings	-
Bluetooth interface	○
Thermal printer	○
Clock and calendar	○
Label printing	○
Inputs	○ x2
Outputs	○ x6
Analog output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	●
Specific display	●
Keyboard	Mechanical
Enclosure	AISI 304 stainless steel
IP protection	IP68 and IP69K
Power supply board	3,3 ÷ 16 V
Indicator power supply	Internal 110-230 Vac
Internal rechargeable NiMH battery (up to 100 hours of battery life depending on the model and mode of use)	●
Adjustable tilt bracket	●
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. Analog load cells	16 with 350 Ω
OIML R76 / R51 - MID / R134 certifications	-

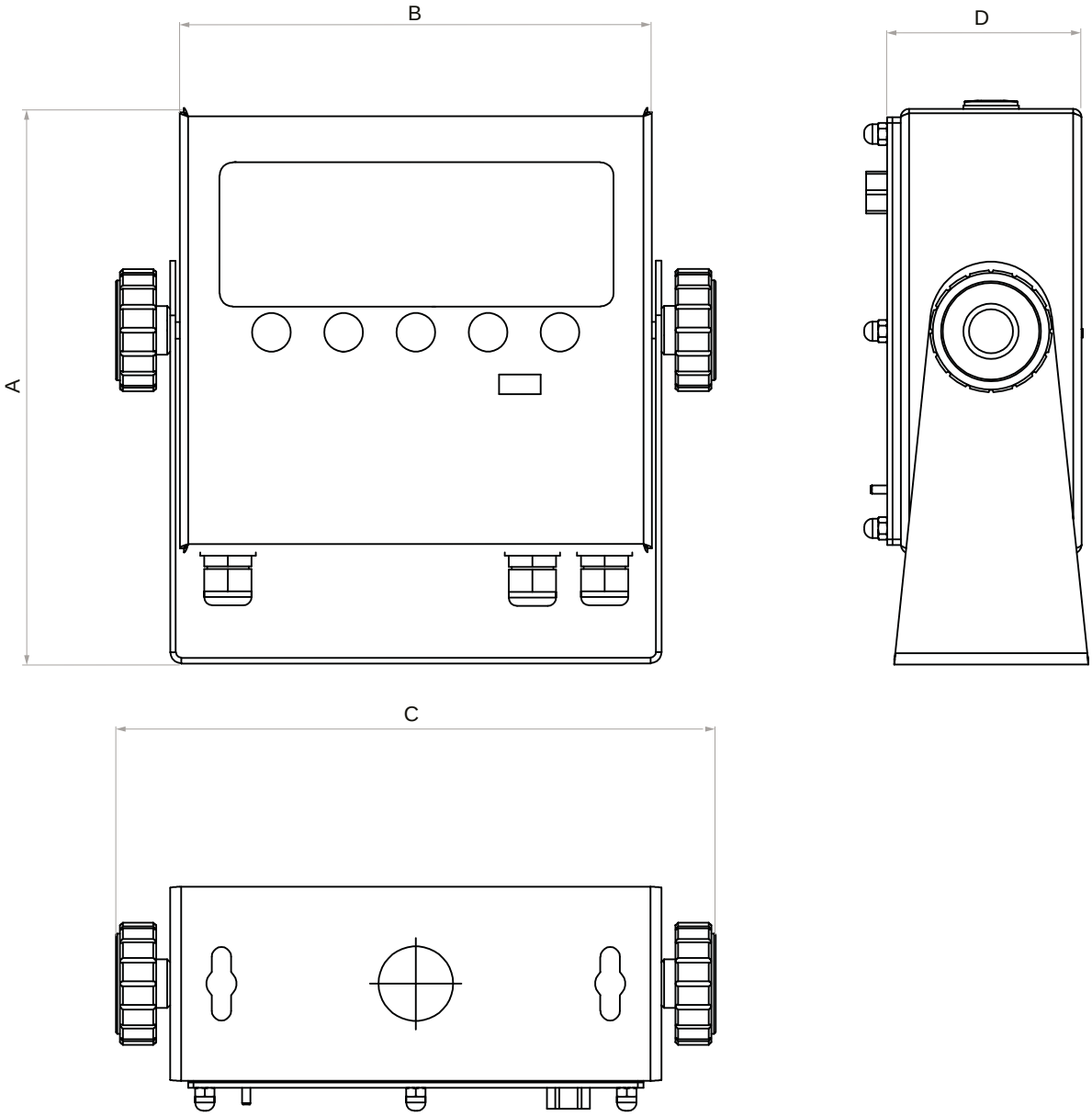
Approvals

• EU Type Examination Certificate (45501:2015)

* *For Chinese and Greek, printer/labeller programming is required (S1, only during order phase).*
** *These quick menu access keys can be inhibited by configuring a dedicated password.*

DINI ARGEO
The information in this document may be subject to change without notice.

Technical drawing (mm)



Dimensions			
A	200 mm	**C**	216 mm
B	170 mm	**D**	70 mm

DFWK HYGIENX®

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

Weight indicator in AISI 316 stainless steel with IP68 and IP69K protection rating, suitable for environments that require high hygiene standards and thorough cleaning with high temperature and pressure water jets.

OIML APPROVED

IP68

IP69K

AISI 316 STAINLESS STEEL

Version codes

	DESCRIPTION	CODE	
	17-key indicator specifically for environments with high hygiene requirements. Housing in AISI 316 stainless steel, IP68/IP69K rating, backlit LCD display and rechargeable internal battery.	**DFWK-HGX**	

Why choose

- Enhanced data display thanks to backlit LCD with 6 high-contrast digits.
- Waterproof 17-key numeric-functional keypad.
- With rechargeable internal battery, up to 60 hours operating time.
- 6-key radio-frequency remote control: zero, tare, function on/off, print and switch-off.
- Dimensions: 280x143x185 mm.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION:

- Configurable RS232/C bidirectional port for connection to remote printer/labeler.
- Configurable RS232/C (RS485 optional) bidirectional port for connection to PC, PLC, additional remote display or radio modem.

FUNCTIONS:

Operating modes selectable directly by the user via a dedicated key*:

- High-resolution display x 10
- Precision weighing with temporary recalibration by sample weight (for internal factory use)
- Net/gross
- Conversion lb/kg
- Free conversion factor (for metre counter, litre counter, etc. systems)
- Weight totalisation
- Formulation
- +/- control, with quick target and threshold entry
- Percentage weighing
- Dosage in percentage with programmable target
- Counter
- Hold
- Two-speed filling/dosing with zeroing at start (with DFIO optional)

Functions “alibi memory” and “setpoint” are available in combination with the desired operating mode, and are automatically activated at installation of the respective optional board; this way, it is possible to total, save each alibi memory weighing, and activate relay outputs.

* *These quick menu access keys can be inhibited by configuring a dedicated password.*

DINI ARGEO | *The information in this document may be subject to change without notice.*

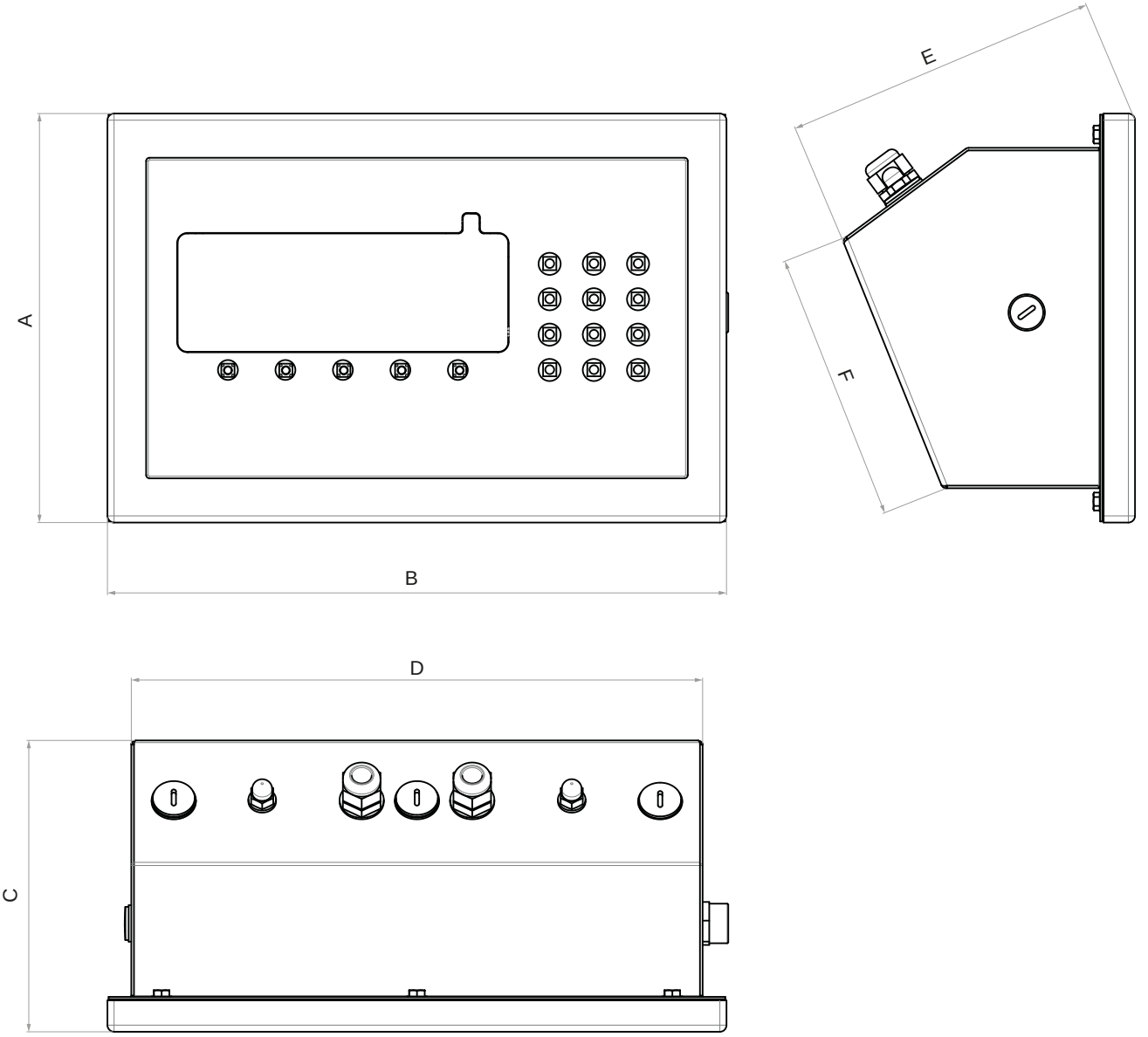
Technical features

Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	○
Thermal printer	○
Time and date	○
Printing labels	●
Inputs	○ x2
Outputs	○ x6
Analogue output 4...20 mA, 0...10 Vdc	-
Backlit LCD display	●
Specific display	-
Keypad	Mechanical
Case	AISI 316 stainless steel
IP rating	IP68 and IP69K
Board power supply	5 ÷ 12 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. analogue load cells	8 x 350 Ω 16 x 700 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)
- IP68 and IP69K protection rating

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	258 mm
B	280 mm	**E**	143 mm
C	132 mm	**F**	122 mm

DFWL

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

Digital weight indicator, intuitive programming and use, suitable for multiple applications, industrial and commercial. Stands out for its versatility, with a wide choice of available functions and particularly suitable for mobile weighing systems, such as hand pallet jacks and forklifts.

OIML APPROVED

IP54

ABS

UNIVERSAL BRACKET

Version codes

	DESCRIPTION	CODE	
	Weight indicator in ABS with 5-key keypad. Backlit LCD and standard weighing program.	**DFWL-1**	

Why choose

- Case in IP54 ABS, easy to wash and sturdy.
- 6-digit, 25-mm backlit LCD display and 5-key functional waterproof keypad.
- With RS232/C bidirectional port on RJ11 connector for quick connection on screw terminals, configurable for PC, PLC, additional remote display.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

LANGUAGES AVAILABLE IN PRINTER:

- IT, EN, FR, DE, ES, PT, CN*, EL*

FUNCTIONS:

Operating modes directly selectable by the user, via dedicated key**:

- High-resolution display x 10
- Precision weighing with temporary recalibration by sample weight (for internal factory use)
- Net/gross
- Conversion lb/kg
- Free conversion factor (for metre counter, litre counter, etc. systems)
- Weight totalisation
- Formulation
- +/- control, with quick target and threshold entry
- Percentage weighing
- Counter
- Hold

Function “alibi memory” is available in combination with the desired operating mode, and is automatically activated at installation of the respective optional board.

ADDITIONAL FUNCTIONS:

- PEAK, peak weight measurement (code DFWPK)
- Conversion Newton-kg (code DFWPK)

Access to user menu via a dedicated key**, for setting weighing filter, date and time, setpoint and tare accessible to the user, with programmable login password.

* *For Chinese and Greek, printer/labeller programming is required (S1, only during order phase).*
** *These quick menu access keys can be inhibited by configuring a dedicated password.*

Technical features

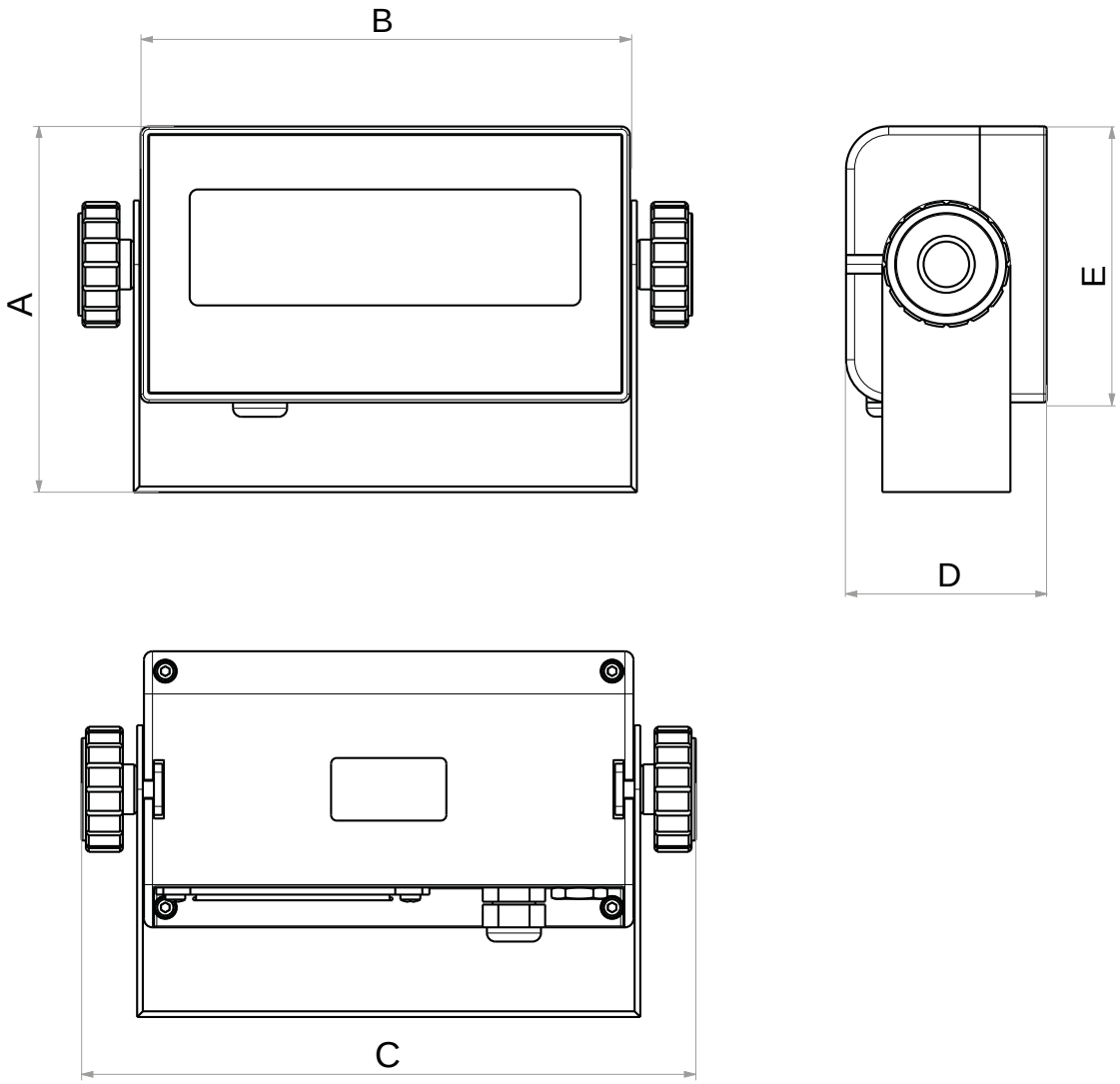
Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	-
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	○
Thermal printer	○
Time and date	○
Printing labels	●
Inputs	-
Outputs	-
Analogue output 4...20 mA, 0...10 Vdc	-
Backlit LCD display	●
Specific display	-
Keypad	Mechanical
Case	ABS
IP rating	IP54
Board power supply	Standard: 5 ÷ 12 V PLUS: 3.5 ÷ 12 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	4 x AA batteries
Adjustable tilt bracket	●
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. analogue load cells	6 x 350 Ω 16 x 700 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)

DINI ARGEO
The information in this document may be subject to change without notice.

Technical drawing (mm)



Dimensions			
A	129 mm	**D**	71 mm
B	172 mm	**E**	97 mm
C	216 mm		

DFWLB

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

DFWLB digital weight indicator, easy to install and use, for industrial settings. Suitable for mobile and automotive weighing applications, thanks to the standard, long-life internal battery.

OIML APPROVED

IP68

ABS

UNIVERSAL BRACKET

Version codes

	DESCRIPTION	CODE	
	IP68 weight indicator with rechargeable internal battery. Housing in ABS, 5-key keypad, backlit LCD display.	**DFWLB-3**	
	IP68 DFWLB-3 weight indicator with rechargeable internal battery. Housing in ABS, 5-key keypad, backlit LCD display. Power cable with BS1363 plug (UK plug).	**DFWLBUK**	

Why choose

- Case in IP68 ABS, easy to clean and resistant to corrosive environments.
- 6-digit, 25-mm backlit LCD display and 5-key functional waterproof keypad.
- Suitable for use on bench, column or wall, with a support bracket with adjustable tilt as standard.
- 1 x RS232/C bidirectional port on RJ11 connector for quick connection (RS485 optional) on screw terminals, configurable for PC, PLC, additional remote display.
- 1 x configurable RS232/C bidirectional port for connection to printer or labeller.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

LANGUAGES AVAILABLE IN PRINTER:

- IT, EN, FR, DE, ES, PT, CN*, EL*

FUNCTIONS:

Operating modes directly selectable by the user, via dedicated key**:

- High-resolution display x 10
- Precision weighing with temporary recalibration by sample weight (for internal factory use)
- Net/gross
- Conversion lb/kg
- Free conversion factor (for metre counter, litre counter, etc. systems)
- Weight totalisation
- Formulation
- +/- control, with quick target and threshold entry
- Percentage weighing
- Counter
- Hold

Function “alibi memory” is available in combination with the desired operating mode, and is automatically activated at installation of the respective optional board.

ADDITIONAL FUNCTIONS:

- PEAK, peak weight measurement (code DFWPK)
- Conversion Newton-kg (code DFWPK)

Access to user menu via a dedicated key**, for setting weighing filter, date and time, setpoint and tare accessible to the user, with programmable login password.

* *For Chinese and Greek, printer/labeller programming is required (S1, only during order phase).*
** *These quick menu access keys can be inhibited by configuring a dedicated password.*

DINI ARGEO
The information in this document may be subject to change without notice.

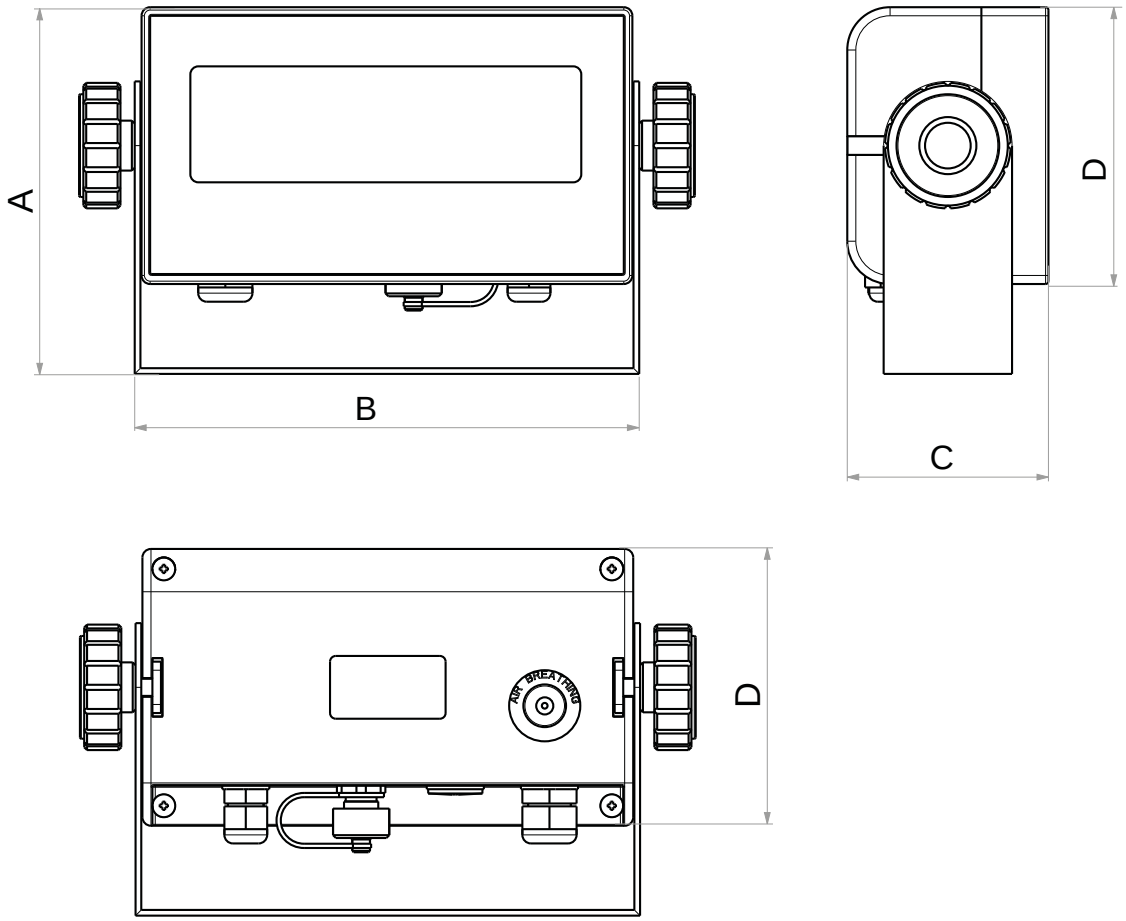
Technical features

Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	-
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	○
Thermal printer	○
Time and date	○
Printing labels	●
Inputs	-
Outputs	-
Analogue output (4...20 mA, 0...10 Vdc)	-
Backlit LCD display	●
Specific display	-
Keypad	Mechanical
Case	ABS
IP rating	IP68
Board power supply	5 ÷ 12 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	○
Adjustable tilt bracket	●
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. analogue load cells	7 x 350 Ω 16 x 700 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)

Technical drawing (mm)



Dimensions			
A	129 mm	**D**	71 mm
B	172 mm	**E**	97 mm
C	216 mm		

DINI ARGEO
The information in this document may be subject to change without notice.

DFWLI

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

High-performance weight indicator, especially suited for industrial and commercial weighing, such as floor scales and weighing in motion. With a stainless steel case and IP68 protection rating, it is waterproof, easy to clean and rugged. Offers a wide range of functions, including weight totalisation, piece-counting, and percentage dosing with programmable target.

OIML APPROVED

IP68

STAINLESS STEEL

Version codes

	DESCRIPTION	CODE	
	Weight indicator with 5-key keypad. IP68 stainless steel housing, backlit LCD and standard weighing program.	**DFWLI-2**	
	Weight indicator with 17-key keypad. IP68 stainless steel housing, backlit LCD and standard weighing program.	**DFWLKI-2**	

Why choose

- Waterproof 5/17-key keypad.
- High-contrast, 6-digit, 25-mm backlit LCD display.
- Configurable RS232/C bidirectional port for connection to printer/labeller, or solidly connected printer.
- Configurable RS232/C (RS485 optional) bidirectional port for connection to PC, PLC, additional remote display or radio modem. RJ connector for quick connection.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

LANGUAGES AVAILABLE IN PRINTER:

- IT, EN, FR, DE, ES, PT, CN*, EL*

FUNCTIONS:

Operating modes directly selectable by the user, via dedicated key**:

- High-resolution display x 10
- Precision weighing with temporary recalibration by sample weight (for internal factory use)
- Net/gross
- Conversion lb/kg
- Conversion Newton-kg
- Free conversion factor (for metre counter, litre counter, etc. systems) Weight totalisation
- Weight totalisation
- Formulation
- +/- control, with quick target and threshold entry
- Percentage weighing
- Dosage in percentage with programmable target
- Counter
- Hold

Functions “alibi memory” and “setpoint” are available in combination with the desired operating mode, and are automatically activated at installation of the respective optional board; this way, it is possible to total, save each alibi memory weighing, and activate relay outputs to control automation.

ADDITIONAL FUNCTIONS:

- PEAK, peak weight measurement (code DFWPK)
- Conversion Newton-kg (code DFWPK)

Access to user menu via a dedicated key**, for setting weighing filter, date and time, setpoint and tare accessible to the user, with programmable login password.

* *For Chinese and Greek, printer/labeller programming is required (S1, only during order phase).*
** *These quick menu access keys can be inhibited by configuring a dedicated password.*

Technical features

Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	●
USB flash drive to save weighings	-
Bluetooth interface	○
Thermal printer	○
Time and date	○
Printing labels	○
Inputs	○ x2
Outputs	○ x6
Analogue output 4...20 mA, 0...10 Vdc	○ *****
Backlit LCD display	●
Specific display	-
Keypad	Mechanical
Case	AISI 304 stainless steel
IP rating	IP68
Board power supply	Standard: 5 ÷ 12 V PLUS: 3.5 ÷ 12 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	-
Adjustable tilt bracket	O
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. analogue load cells	8 x 350 Ω 16 x 700 Ω
OIML R76 / R51 - MID / R134 approvals	●

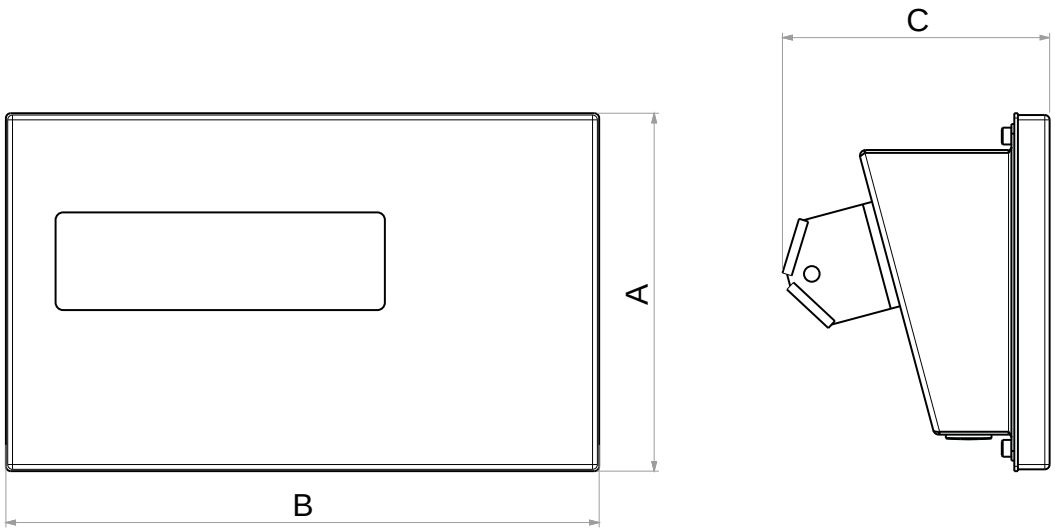
***** *Only in version PLUS*

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)

DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical drawing (mm)



Dimensions			
A	149 mm	**C**	111 mm
B	248 mm		

DFWXP

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

Weight indicator suitable for multiple applications, thanks to wide choice of available operating modes and interfaces. With case in IP65 ABS, easy to wash and resistant to harsh environments. The operator may also take advantage of MASTER mode, specifically for using the indicator as a universal weight repeater, or multi-scale in combination with DFW/DGT/MCW.

OIML APPROVED

IP65

ABS

Version codes

	DESCRIPTION	CODE	
	5-key indicator. Housing in IP65 ABS, backlit LCD display.	**DFWXP**	
	17-key indicator. Housing in IP65 ABS, backlit LCD display.	**DFWKXP**	
	17-key indicator, with solidly connected printer, calendar clock. Housing in ABS, backlit LCD display.	**DFWKPXP**	
	5-key indicator, with external power supply unit. NOT INCLUDED: internal battery, RJ45 port, cable glands and plugs. No factory-installed options.	**DFW-1**	

Why choose

- Waterproof 5-key functional or 17-key numeric-functional keypad.
- Configurable RS232/C bidirectional port for connection to printer/ labeller, or solidly connected printer.
- Configurable RS232/C (RS485 optional) bidirectional port for connection to PC, PLC, additional remote display or radio modem. RJ connector for quick connection.
- IR input available only for models with simplified 5-key keypad.
- Standard rechargeable internal battery.
- CE-M certifiable (OIML R-76 / EN 45501).
- High-contrast, 6-digit, 25-mm backlit LCD display.

Main features

LANGUAGES AVAILABLE IN PRINTER:

- IT, EN, FR, DE, ES, PT, CN*, EL*

FUNCTIONS:

Operating modes directly selectable by the user, via dedicated key**:

- High-resolution display x 10
- Precision weighing with temporary recalibration by sample weight (for internal factory use)
- Net/gross
- Conversion lb/kg
- Free conversion factor (for metre counter, litre counter, etc. systems)
- Weight totalisation
- Formulation
- +/- control, with quick target and threshold entry
- Percentage weighing
- Dosage in percentage with programmable target
- Counter
- Hold
- Two-speed filling/dosing with zeroing at start (with DFIO optional)

Functions “alibi memory” and “setpoint” are available in combination with the desired operating mode, and are automatically activated at installation of the respective optional board; this way, it is possible to total, save each alibi memory weighing, and activate relay outputs to control automation.

ADDITIONAL FUNCTIONS:

- PEAK, peak weight measurement (code DFWPK)
- Conversion Newton-kg (code DFWPK)
- Input-output (upon request).

Access to user menu via a dedicated key**, for setting weighing filter, date and time, setpoint and tare accessible to the user, with programmable login password.

* *For Chinese and Greek, printer/labeller programming is required (S1, only during order phase).*
** *These quick menu access keys can be inhibited by configuring a dedicated password.*

Technical features

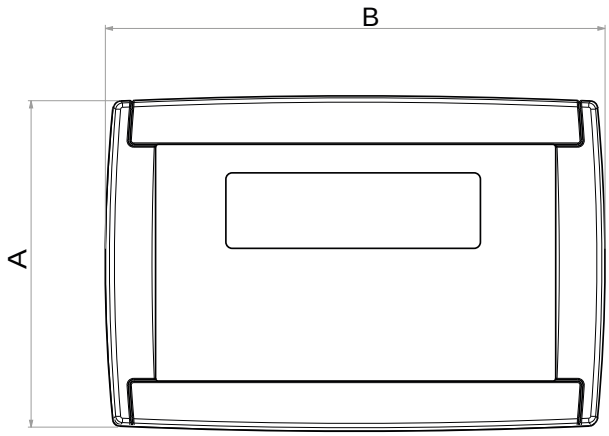
Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Bluetooth interface	○
Thermal printer	○**
Time and date	○**
Printing labels	○
Inputs	○ x2
Outputs	○ x6
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	●
Specific display	-
Keypad	Membrane
Case	ABS
IP rating	IP65
Board power supply	Battery: 6 V Power: 12 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	○
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. analogue load cells	8 x 350 Ω 16 x 700 Ω
OIML R76 / R51 - MID / R134 approvals	●

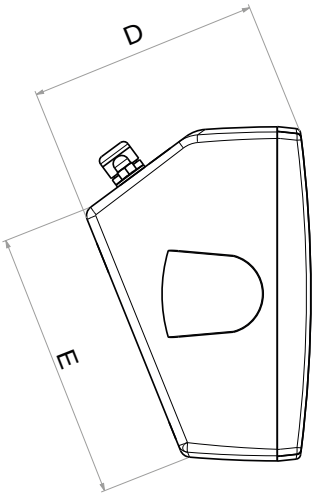
** *Standard in versions DFWPXP and DFWKPXP, optional in other versions*

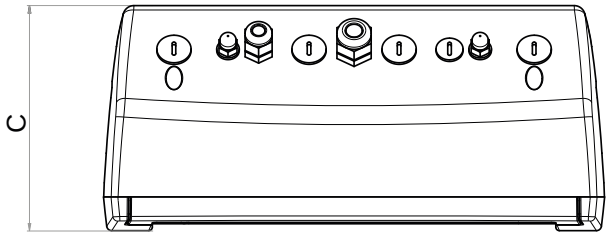
Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)

Technical drawing (mm)







Dimensions			
A	184 mm	**D**	128 mm
B	278 mm	**E**	150 mm
C	120 mm		

DFWKRP

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

The multifunction digital DFWKRP weight indicator is recommended for vehicle weighing system applications. It comes standard with a carrying case complete with storage compartment for easy transport, calendar clock, thermal printer, rechargeable internal battery, and 4 connectors for connecting platforms.

OIML APPROVED

ABS

CARRYING CASE

Version codes

	DESCRIPTION	CODE	
	Only for analogue WWS (WWS...-y). Weight indicator in carrying case, with integrated printer. With specific program for weighing vehicles, 17-key keypad, backlit LCD display and calendar clock. Available only in combination with Dini Argeo vehicle weighing systems (WWS, RWS, DTW, WBSA series).	**DFWKRP-3**	
	Only for Radio-frequency WWS (WWS...2G4-y). Weight indicator in carrying case, with integrated printer. With specific program for weighing vehicles, 17-key keypad, backlit LCD display, calendar clock and radio module. Available only in combination with Dini Argeo vehicle weighing systems (WWS, RWS, DTW, WBSA series).	**DFWKR2G4-1**	

Why choose

- Waterproof 17-key functional keypad.
- High-contrast, 6-digit, 25-mm backlit LCD display.
- Rack-type metal case.
- Dimensions: 325x460x170 mm.
- Total weight: approx. 5 kg.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION:

- **Available on panel:**

9-pin RS232 bidirectional port (RS485 optional) for connection to PC.

- **Available inside indicator:**

Configurable RS232/C bidirectional port for connection to printer.

FUNCTIONS:

KEYPAD

- Zero cycle on all connected platforms
- Display of weight of each platform (up to 4), of total weight, or of each platform combination
- Display of weight of each axle and of total
- Simple vehicle weighing with printout of weights of each wheel and of total
- Totalisation of Tractor + Trailer, with printout of subtotals and vehicle total
- Static axle totalisation, with printout of weight of each individual axle and vehicle total
- Simple Input/Output
- Input/Output with axle totalisation
- Grand total of vehicles weighed
- Calculation and printout of centre of gravity

PRINTING

Configurable print layout with:

- 4 header lines
- Weight of each platform and sum of any combination thereof
- Total vehicle weight
- Grand total vehicles weighed
- Coordinates of vehicle centre of gravity
- Receipt number
- Number of weighings
- Barcode type Code 39
- Date and time

REMOTE CONTROL

- 19-key infrared remote control: zero, tare / manual tare, function on/off, print, switch off
- 6-key radio-frequency remote control: zero, tare, function on/off, print, switch off

Technical features

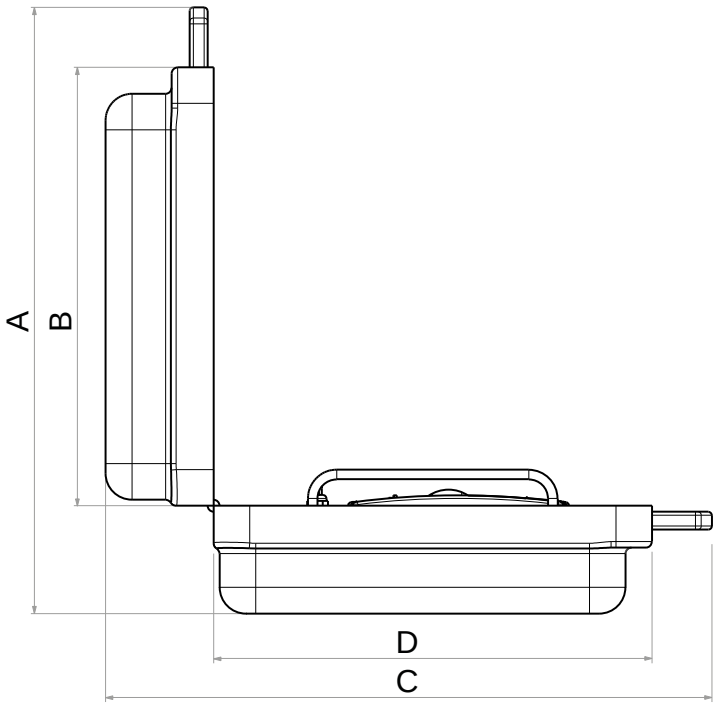
Multifunction program	-
Program for weighbridges	-
Program for weighing wheels and vehicle axles	●
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Bluetooth interface	○
Thermal printer	●
Time and date	●
Printing labels	-
Inputs	-
Outputs	-
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	●
Specific display	-
Keypad	Membrane
Case	ABS
IP rating	IP40
Board power supply	Battery: 6 V Power: 12 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	●
Adjustable tilt bracket	-
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	4
No. analogue load cells	25 x 1000 Ω
OIML R76 / R51 - MID / R134 approvals	●

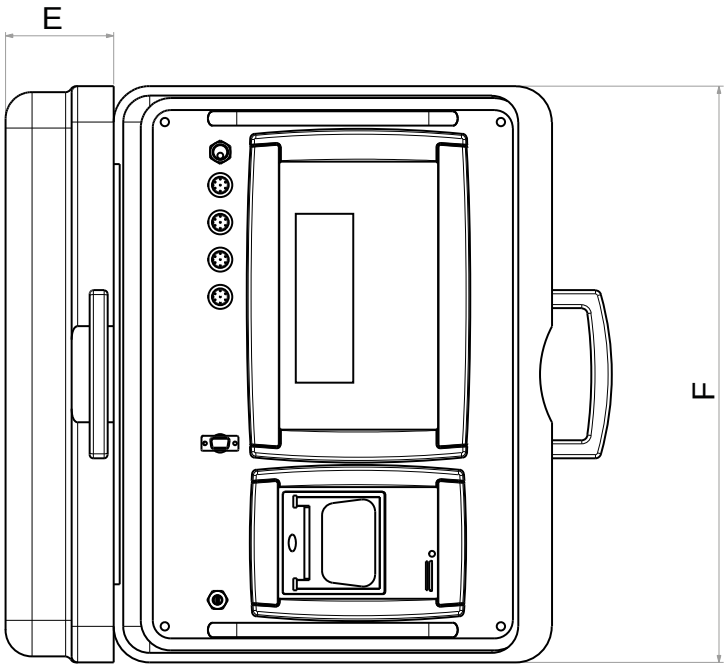
Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)

DINI ARGEO
The information in this document may be subject to change without notice.

Technical drawing (mm)





Dimensions			
A	505 mm	**D**	365 mm
B	365 mm	**E**	90 mm
C	505 mm	**F**	480 mm

The information in this document may be subject to change without notice.

DFWDXT

6-DIGIT, 40-MM LED DISPLAY

The DFWDXT weight indicator features a large display with red LEDs for easy view of the weight even from a distance. The stainless steel case with IP68 protection rating ensures resistance against rain and dust, and is easy to clean. The DFWDXT is suitable for any type of industrial application, thanks to its versatility and multiple programs available.

OIML APPROVED

IP68

STAINLESS STEEL

Version codes

	DESCRIPTION	CODE	
	Indicator with LED matrix display (SMD technology). Housing in IP68 stainless steel, 5-key keypad and standard weighing program.	DFWDXTBC	

Why choose

- Features large 6-digit, 40-mm LED display.
- Up to 8 signal linearisation points.
- Brightness adjustable from software.
- Dimensions: 264x174x115 mm.
- Suitable for use on bench or wall.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION:

- Configurable RS232/C bidirectional port for connection to printer/ labeller, or solidly connected printer.
- Configurable RS232/C bidirectional port for connection to PC, PLC, additional remote display or radio modem (RS485 optional).
- Standard RJ connector for quick connection.

KEYPAD FUNCTIONS:

- Zero
- Automatic tare
- Presettable tare
- Print and/or send data
- Selected function command
- Power on/off

SELECTABLE FUNCTIONS:

- High-resolution display x 10
- Net/gross or conversion lb/kg
- Weight totalisation
- Formulation
- +/- control
- Percentage weighing
- Approved weight transmission to PC/PLC or storage on MMC/USB (with ALMEM Alibi memory option)
- Counter
- Hold
- Setpoint control (with DFIO option)

The information in this document may be subject to change without notice.

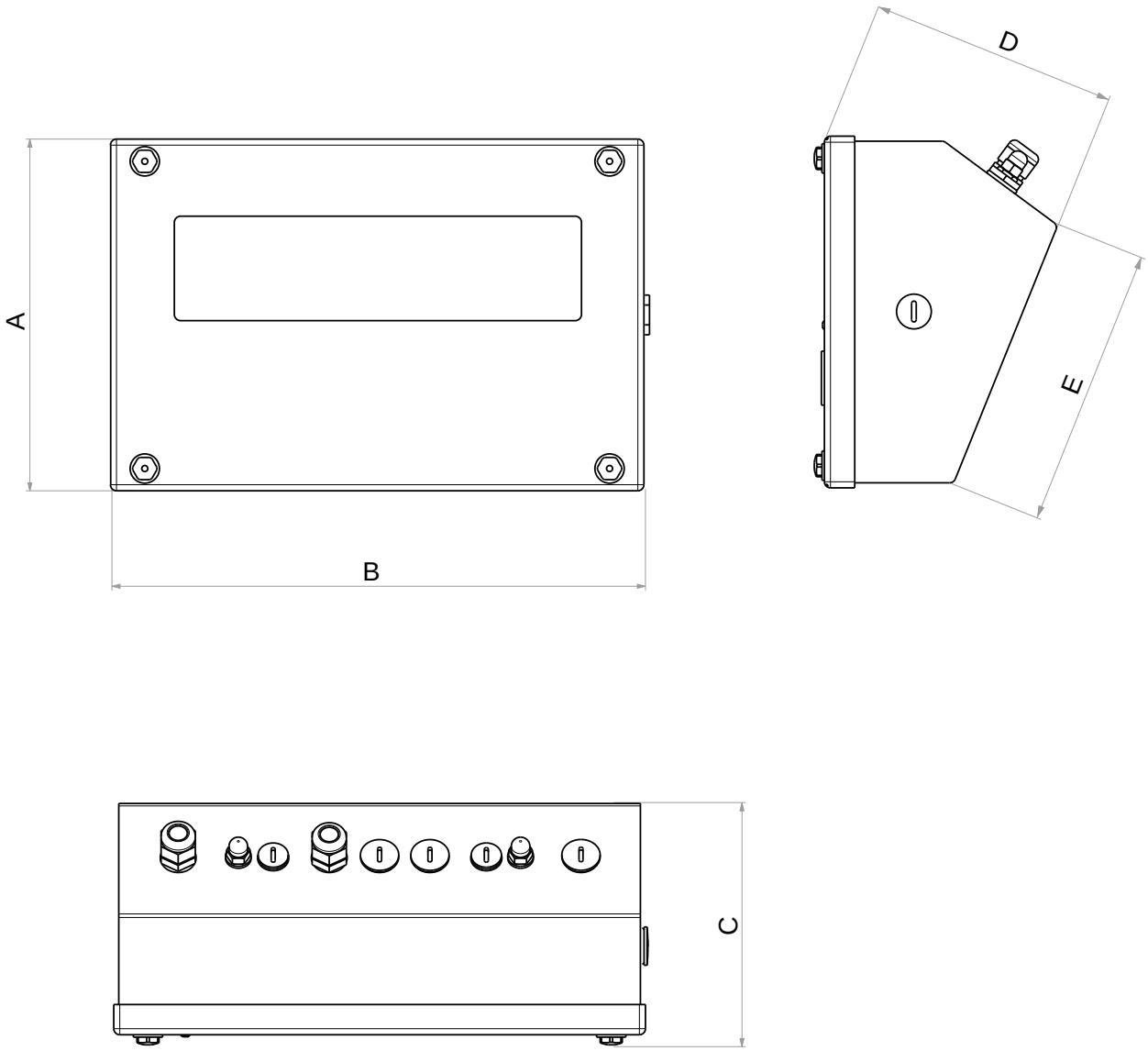
Technical features

Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Bluetooth interface	○
Thermal printer	○
Time and date	○
Printing labels	●
Inputs	○ x2
Outputs	○ x6
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	-
Specific display	Super-bright red LEDs
Keypad	Membrane
Case	AISI 304 stainless steel
IP rating	IP68
Board power supply	Battery: 6 V Power: 12 ÷ 24 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. analogue load cells	8 x 350 Ω 16 x 700 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)

Technical drawing (mm)



Dimensions			
A	174 mm	**D**	125 mm
B	264 mm	**E**	139 mm
C	129 mm		

DFWKXT

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

The DFWKXT weight indicator features a wide range of applications and interfaces that make it versatile and suitable for any type of industrial weighing application, such as floor scales, weigh-in-motion and much more.

OIML APPROVED

IP68

STAINLESS STEEL

Version codes

	DESCRIPTION	CODE	
	17-key keypad, in IP68 stainless steel. Backlit LCD and standard weighing program.	**DFWKXTBC-1**	

Why choose

- Waterproof 17-key numeric-functional keypad.
- Large, high-contrast, 6-digit, backlit LCD display.
- Features case in IP68 stainless steel, resistant against dust, water and corrosive environments. Easy to wash.
- Dimensions: 264x174x115 mm.
- Suitable for use on bench, column or wall.
- Rechargeable internal battery (60 hours with 350 Ohm cell).
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION:

- Configurable RS232/C bidirectional port for connection to printer/labeller, or solidly connected printer.
- Configurable RS232/C (RS485 optional) bidirectional port for connection to PC, PLC, additional remote display or radio modem.

FUNCTIONS:

Operating modes directly selectable by the user, via dedicated key*:

- High-resolution display x 10
- Precision weighing with temporary recalibration by sample weight (for internal factory use)
- Net/gross
- Conversion lb/kg
- Free conversion factor (for metre counter, litre counter, etc. systems)
- Weight totalisation
- Formulation
- +/- control with quick target and threshold entry
- Percentage weighing
- Dosage in percentage with programmable target
- Counter
- Hold
- Two-speed filling/dosing with zeroing at start (with DFIO optional)

Functions “alibi memory” and “setpoint” are available in combination with the desired operating mode, and are automatically activated at installation of the respective optional board; this way, it is possible to total, save each alibi memory weighing, and activate relay outputs to control automation.

ADDITIONAL FUNCTIONS:

- PEAK, peak weight measurement (code DFWPK)
- Conversion Newton-kg (code DFWPK)
- Input-output (upon request)

Access to user menu via a dedicated key* for setting weighing filter, date and time, setpoint and tare accessible to the user, with programmable login password.

* *These quick menu access keys can be inhibited by configuring a dedicated password.*

Technical features

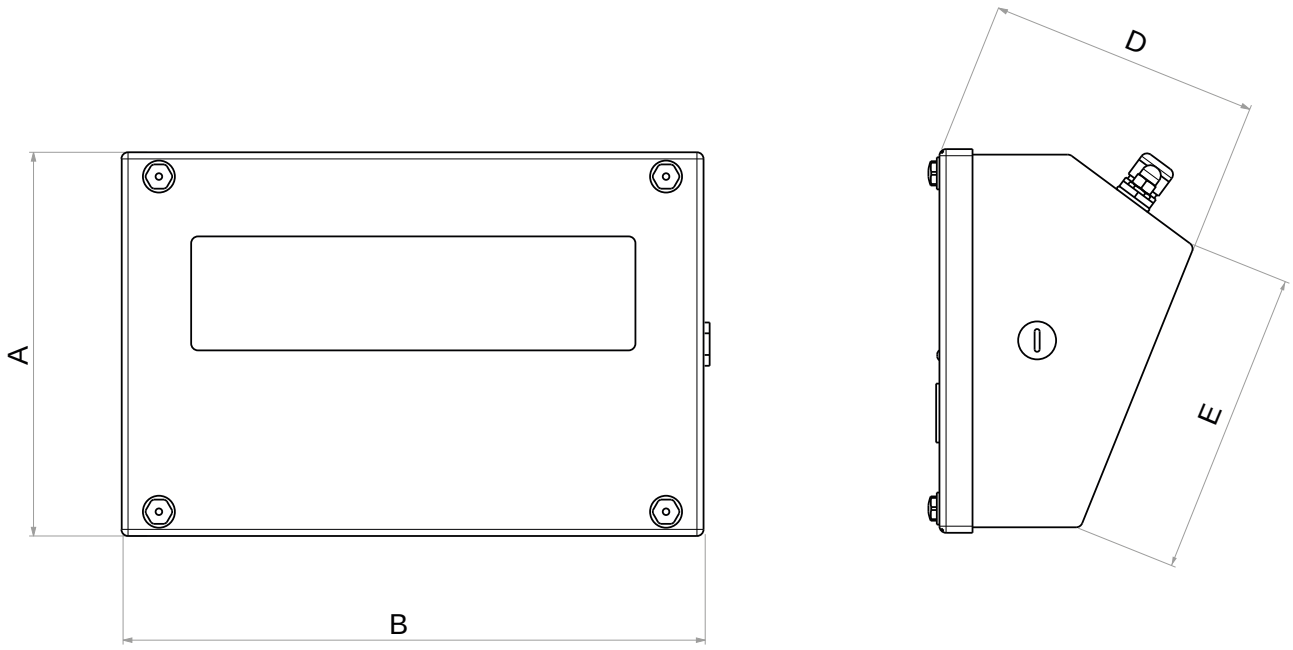
Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	○
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	○
Bluetooth interface	○
Thermal printer	○
Time and date	○
Printing labels	○
Inputs	○ x2
Outputs	○ x6
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	●
Specific display	-
Keypad	Membrane
Case	AISI 304 stainless steel
IP rating	IP68
Board power supply	Battery: 6 V Power: 12 V
Indicator / battery charger power supply	110-240 Vac
Internal battery	●
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	24 bit / 3200 Hz
Connectable scales	1
No. analogue load cells	8 x 350 Ω 16 x 700 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)

DINI ARGEO
The information in this document may be subject to change without notice.

Technical drawing (mm)



Dimensions			
A	174 mm	**D**	125 mm
B	264 mm	**E**	139 mm
C	129 mm		

DFWIECEX2GD

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

Weight indicator designed for environments at high risk of explosion with powerful internal processor and multiple interfaces available. DFWIECEX2GD integrates weighing within production processes and to communicate with PLC and other devices.

OIML APPROVED | IP65 | IP68 | AISI 304 STAINLESS STEEL | ATEX

Version codes

	DESCRIPTION	CODE	
	Weight indicator, IECEX and ATEX certified, for zones 1, 21, 2, 22. Protection: Ex II 2(2)G(1)G Ex ib [ib Gb] [ia Ga] IIC T4 Gb X for gas and Ex II 2(2)D(1)D Ex tb [ib Db] [ia Da] IIIC T135 °C Db X for dust (Ta=0 °C/+50 °C). Always combine with IECEXPW power supply unit or IECEXB battery. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES, IT).	**DFWIECEX**	
	Weight indicator, IECEX and ATEX certified, for zones 1, 21, 2, 22. With integrated, intrinsically safe analogue output and additional cable gland. Protection: Ex II 2(2) G(1)G Ex ib [ib Gb] [ia Ga] IIC T4 Gb X for gas and Ex II 2(2)D(1)D Ex tb [ib Db] [ia Da] IIIC T135 °C Db X for dust (Ta=0 °C/+50 °C). Always combine with IECEXPW power supply unit or IECEXB battery. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES, IT).	**DFWIECEXAN**	

Why choose

- LCD display with RGB backlight for clear view of weight.
- AISI 304 stainless steel case with IP68 and IP65 protection rating.
- High speed, latest generation X-Core CPU, ideal for handling fast and accurate weighing, filling or dosing processes.
- Complete offer of industrial interfaces, such as:
  - Intrinsically safe digital I/O.
  - Intrinsically safe analogue output.
  - Up to 3 x RS485 intrinsically safe bidirectional serial ports.
  - Bluetooth.
- Protection against:
  - Gas: Ex ib [ib Gb] [ia Ga] IIC T4 Gb
  - Dust: Ex tb [ib Db] [ia Da] IIIC T135 °C Db
  - ATEX: II2(2)G(1)G
  - ATEX: II2(2)D(1)D
  - Ta 0 °C / +50 °C
- IECEx and ATEX certified and approved for legal-for-trade use.

Main features

OPTIONAL DIGITAL INPUTS/OUTPUTS:

- Intrinsically safe 4-input, 4-output digital board with the following specifications:

  Inputs
  - Ui: 18 V
  - Ri: 214
  - R input: 859 Ω

  Electronic relay outputs
  - Ui: 18 V
  - Pi: 1.75 W
  - In: 70 mA
- Intrinsically safe power supply terminal, for controlling devices in ATEX zone or push-button panel. Output voltage: 6V, max current: 300 mA.

NOTE: by using the available power supply terminal, it is possible to operate the EXPHBN code push-button panel directly, even in a safe area, without protective barriers.

OPTIONAL ANALOGUE OUTPUT:

- Intrinsically safe analogue output, programmable at 0...10 Vdc, 0...20 mA or 4...20 mA.

NOTE: it is possible to transmit the signal directly to the safe area using the intrinsically safe protective barrier, code PFANOUTEX for analogue output in 0...20 mA (or 4...20 mA) configuration.

The DFWIECEXAN analogue output is an active analogue output, therefore it must not be powered. The resistance of the analogue input must be:

- If the output signal is voltage: Rmin=1K
- If the output signal is current: Rmax=300 ohm

RS485 SERIAL PORT:

- 2 optional intrinsically safe RS485 serial ports for communication with repeaters and other devices.
  - ASCI Protocol
  - Programmable weight string and read command
  - MODBUS RTU

NOTE: it is possible to transmit the data directly to the safe area using the protective barrier, code PFB485EX.

The information in this document may be subject to change without notice.

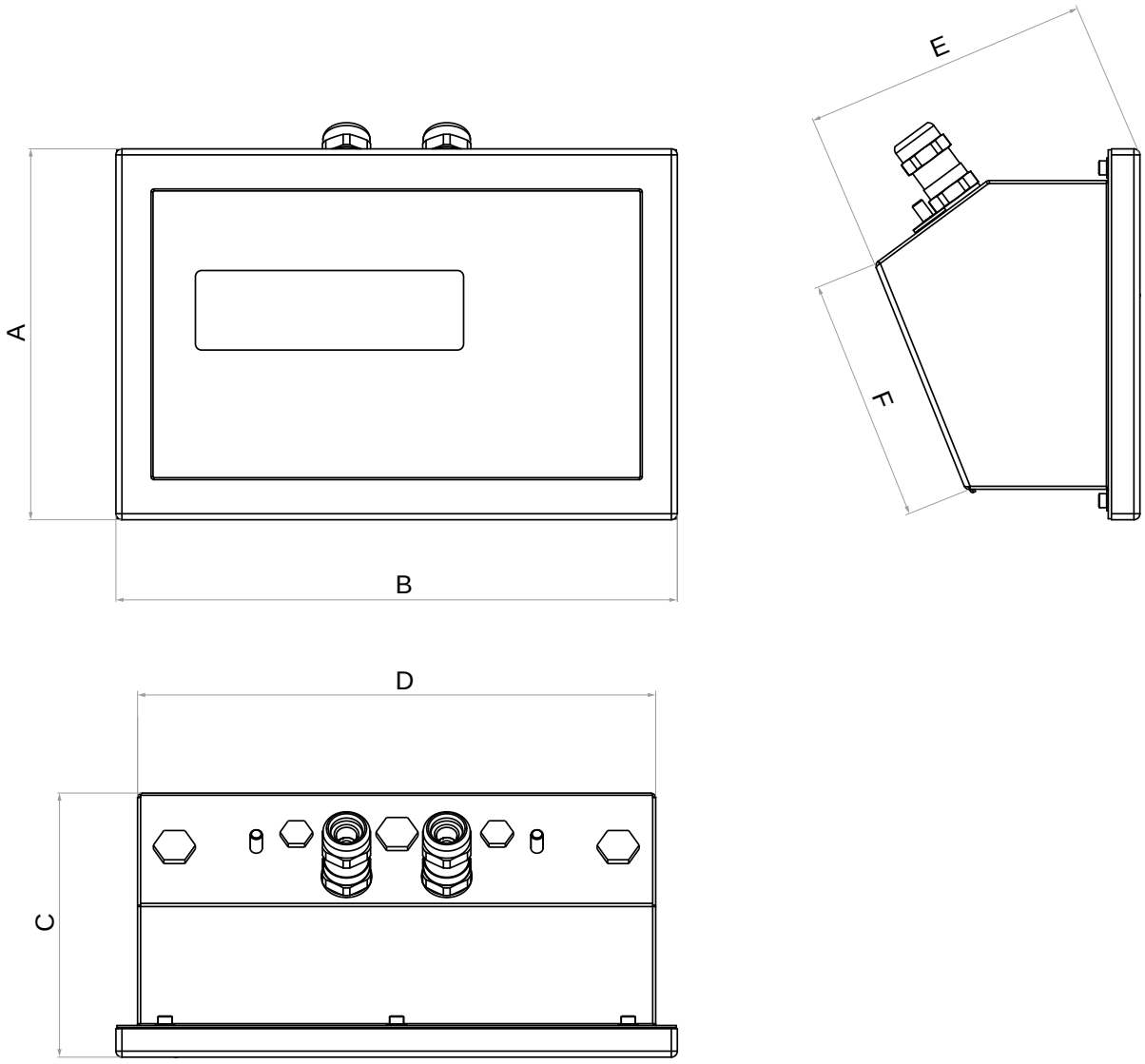
Technical features

Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	-
RS485 serial port (replacing 1 x RS232 serial port)	● x1 ○ x2
Bidirectional serial port over fibre optic	-
USB connection for PC	-
TCP/IP Ethernet	-
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	●
Thermal printer	-
Time and date	○
Printing labels	-
Inputs	○ x4
Outputs	○ x4/12
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	●
Specific display	Colour
Keypad	Mechanical
Case	AISI 304 stainless steel
IP rating	IP65 and IP68
Board power supply	5.1 ÷ 9.6 V
Indicator / battery charger power supply	○
Internal battery	External
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	-
Connectable scales	1
No. analogue load cells	8, 350 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (EN 45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)
- ATEX / IECEX
- EN/IEC 60079-0
- EN/IEC 60079-11
- EN/IEC 60079-5
- N/IEC 60079-31
- Certified according to ATEX Directive 2014/34/EU and complying with the IECEx certified equipment scheme, group II category 2GD according to standards EN/IEC 60079-0, EN/IEC 60079-11, EN/IEC 60079-5, EN/IEC 60079-31.

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	258.4 mm
B	280 mm	**E**	143 mm
C	132 mm	**F**	120 mm

DFWATEX2GD

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

Weight indicator for ATEX zones at risk of explosion, suitable for weighing, dosing and automation systems. One of the key strengths of the DFWATEX2GD indicator is its sturdiness, thanks to its satin-finish stainless steel case with IP65 and IP68 protection rating against dust, gas and water jets.

OIML APPROVED | IP65 | IP68 | STAINLESS STEEL | ATEX

Version codes

	DESCRIPTION	CODE	
	ATEX 2GD indicator, in IP68 stainless steel. 17-key keypad and LCD display. Protection rating: ATEX II 2(2)G Ex ib [ib Gb] IIC T4 Gb for gas and ATEX II 2(2)D Ex tb [ib Db] IIIC T197°C IP65 Db for dust. Always combine with PW200XRDxxx series power supply unit or DFWBP76ATEX battery. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DFWATEX2GD-1**	
	ATEX 2GD indicator in IP68 stainless steel with standard I/O section. 17-key keypad and LCD display. Protection rating: ATEX II 2(2)G Ex ib [ib Gb] IIC T4 Gb for gas and ATEX II 2(2)D Ex tb [ib Db] IIIC T197°C IP65 Db for dust. Always combine with PW200XRDxxx series power supply unit. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DFWATEX2GDIO-1**	

Why choose

- With a high-contrast, 25-mm digit LCD display to show the weight even in low light conditions.
- The 17-key numeric and functional keypad is waterproof to withstand harsh conditions.
- Suitable for use on walls and benches.
- Power supply via external module: with optional battery pack, or with optional 230 Vac or 24 Vdc power supply unit for connection to mains.
- Up to 8 signal linearisation points with DINITOOLS (3 from keypad)
- Protection: ATEX II 2(2)G Ex ib [ib Gb] IIC T4 Gb for gas, ATEX II 2(2) D Ex tb [ib Db] IIIC T197°C IP65 Db for dust.
- EC Type Examination Certificate according to Annex III (ATEX Directive). CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION
(ONLY ON DFWATEX2GDIO VERSION)**:**

- Bidirectional serial port on fibre optic for connection to printer, labeller, PC, or PLC in safe area.
- 4 inputs and 4 outputs (only on DFWATEX2GDIO version combined with PW200XRDxxx and PW200IO options).

SCALE FUNCTIONS:

- Zeroing
- Automatic tare
- Presettable tare
- 10-digit ID.1 and ID.2 code
- Command to print and/ or send data
- Selectable function command, power on/off.

SELECTABLE OPERATING MODES:

- High-resolution display x 10
- Net/gross or conversion lb/kg
- Weight totalisation
- Formulation
- +/- control
- Piece-counting (max count res.: 1,500,000 divisions)
- Input/Output
- Hold
- Peer-to-peer (up to 4 connectable remote indicators)
- Setpoint control (only on DFWATEX2GDIO version combined with PW200XRDxxx and PW200IO options).
- MODBUS serial protocol.

The information in this document may be subject to change without notice.

Technical features

Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	-
RS485 serial port (replacing 1 x RS232 serial port)	-
Bidirectional serial port over fibre optic	○ x1
USB connection for PC	-
TCP/IP Ethernet	-
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	-
Thermal printer	-
Time and date	-
Printing labels	-
Inputs	4 ****
Outputs	4 ****
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	-
Specific display	-
Keypad	Membrane
Case	AISI 304 stainless steel
IP rating	IP65 and IP68
Board power supply	8 ÷ 12 V
Indicator / battery charger power supply	○
Internal battery	○
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	○
Connectable scales	1
No. analogue load cells	4 x 350 Ω
OIML R76 / R51 - MID / R134 approvals	●

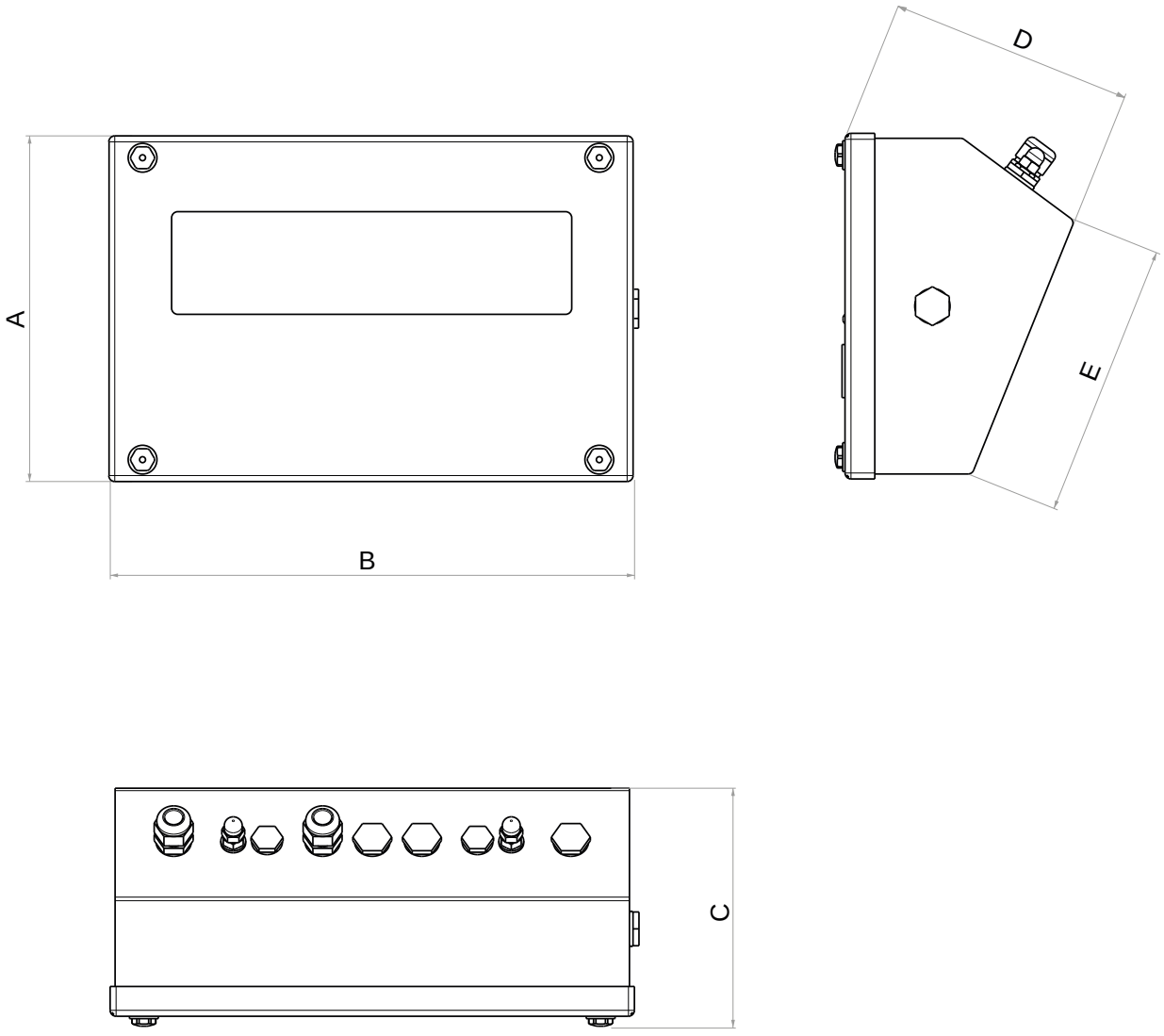
**** *Standard in version DFWATEX2GDF*

Approvals

- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)
- ATEX / IECEX

DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical drawing (mm)



Dimensions			
A	174 mm	**D**	125 mm
B	264 mm	**E**	139 mm
C	129 mm		

DFWATEX2GDF

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

Weight indicator for ATEX zones at risk of explosion, designed to simplify operation of single-product dosing systems in loading or unloading, automatic or semi-automatic and multi-product dosing and mixing.

OIML APPROVED | IP65 | IP68 | STAINLESS STEEL | ATEX

Version codes

	DESCRIPTION	CODE	
	ATEX 2GD indicator for single- and multi-product dosing. Housing in IP68 stainless steel, 17-key keypad and LCD display. Protection rating: ATEX II 2(2)G Ex ib [ib Gb] IIC T4 Gb for gas and ATEX II 2(2)D Ex tb [ib Db] IIIC T197°C IP65 Db for dust. Always combine with PW200XRDxxx series power supply unit and option PW200IO. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DFWATEX2GDF**	

Why choose

- With a high-contrast, 25-mm digit LCD display to show the weight even in low light conditions.
- The 17-key numeric and functional keypad is waterproof to withstand harsh conditions.
- Made with stainless steel case with IP65 and IP68 protection rating for protection against dust, gas and high-pressure water jets.
- Suitable for use on walls and benches.
- Printout of dosing and consumption data, in safe zone via fibre optic.
- Backup memory for storing dosing data in case of accidental poweroff.
- Power supply via external PW200XRD power supply unit, with option PW200IO.
- EC Type Examination Certificate according to Annex III (ATEX Directive). CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION:

- Bidirectional serial port on fibre optic for connection to printer, labeller, PC, or PLC in safe area.
- 4 barriered digital logic outputs, configurable according to the selected dosing function, which can be connected to other intrinsically safe devices in hazardous area.
- 4 inputs with functions dependent on the selected dosing function.

DOSING CONFIGURATIONS:

Available dosing functions:

- Single-product loading dosage enables a single-product loading dosage system, useful for filling silos, hoppers or big bags, or guiding the operator in manual dosing.
- Single-product unloading dosage enables a single-product unloading dosage system. Useful for dividing the material into equal weight quantities, or taking precise quantities from silos, with refill management.
- Multi-product dosing enables dosing multiple products, in loading or unloading, mixing and formulation, with the possibility of managing mixers, burners or vibrators via dedicated contacts.

The information in this document may be subject to change without notice.

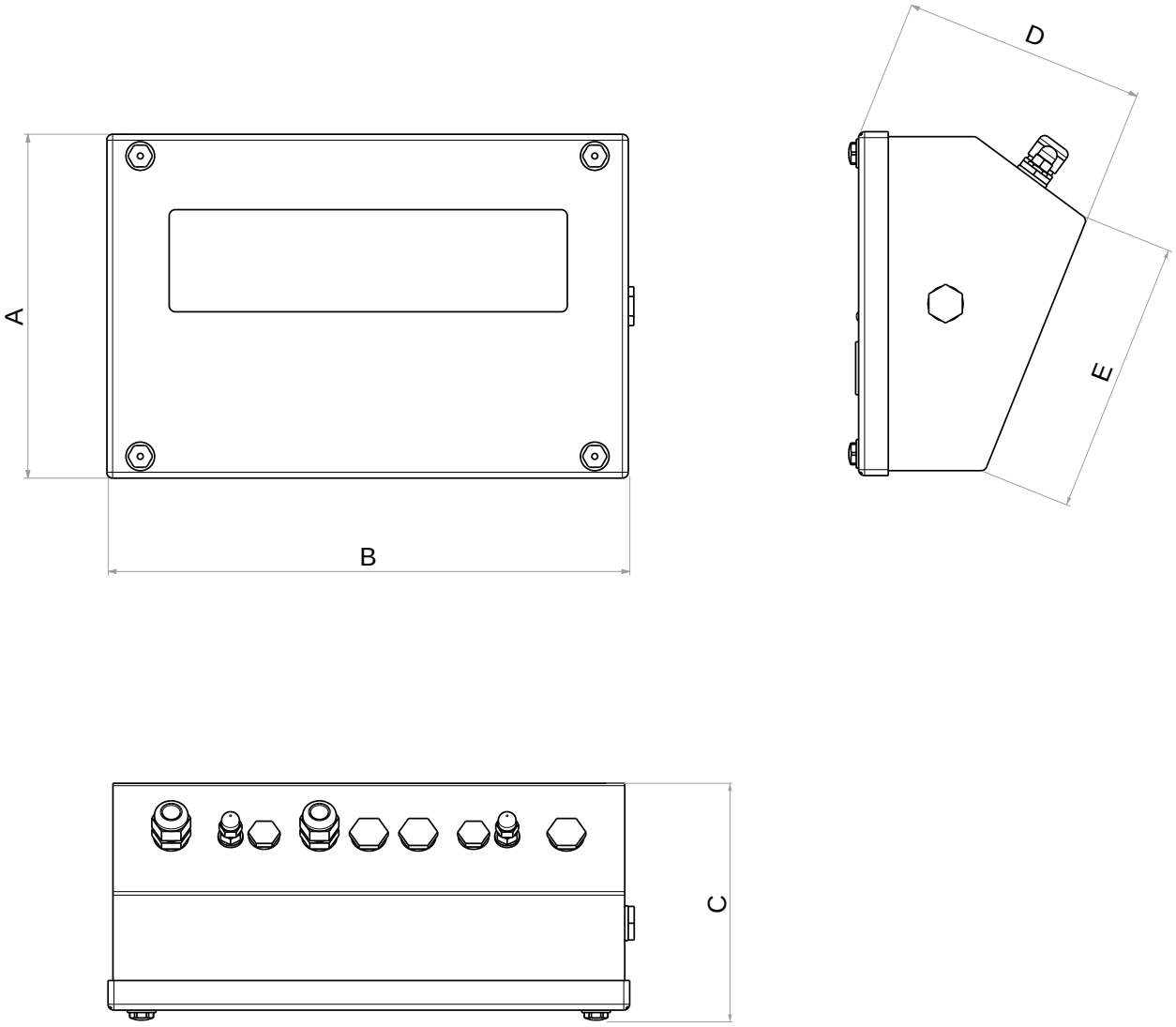
Technical features

Multifunction program	-
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	●
RS232/C bidirectional port	-
RS485 serial port (replacing 1 x RS232 serial port)	-
Bidirectional serial port over fibre optic	● x1
USB connection for PC	-
TCP/IP Ethernet	-
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	-
Thermal printer	-
Time and date	-
Printing labels	-
Inputs	4
Outputs	4
Analogue output 4...20 mA, 0...10 Vdc	-
Backlit LCD display	-
Specific display	-
Keypad	Membrane
Case	AISI 304 stainless steel
IP rating	IP65 and IP68
Board power supply	8 ÷ 12 V
Indicator / battery charger power supply	○
Internal battery	-
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	●
Connectable scales	1
No. analogue load cells	4 x 350 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)
- ATEX / IECEX

Technical drawing (mm)



Dimensions			
A	174 mm	**D**	125 mm
B	264 mm	**E**	139 mm
C	129 mm		

DFWIECEX3GD

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

The DFWIECEX3GD weight indicator for ATEX zones at risk of explosion is ideal for weighing, dosing and automation systems. Features a new satin-finish stainless steel case with IP68 protection rating, without front screws that makes it easier to clean and makes it resistant to dust and gas.

OIML APPROVED | IP68 | STAINLESS STEEL | ATEX

Version codes

	DESCRIPTION	CODE	
	Ex indicator for zone 2/22. Case in stainless steel, IP68 rating, 17-key keypad, backlit LCD display, and internal power supply unit. Marking: ATEX/IECEX II 3G Ex nR IIC T6 Gc X (0 °C<= Ta <=50 °C) for gas, and II 3D Ex tc IIIC T85°C Dc IP65 X (0 °C<= Ta <=50 °C) for dust. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DFW-IECEX3GD**	
	Ex indicator for zone 2/22 that can be directly connected to load cells installed in zone 1/21 and 0/20. Case in stainless steel, IP68 rating, 17-key keypad, backlit LCD display, and internal power supply unit. Marking: ATEX/IECEX II 3G Ex nR [ia] IIC T6 Gc X (0 °C<= Ta <=50 °C) for gas, and II 3D Ex tc [ia] IIIC T85°C Dc IP65 X (0 °C<= Ta <=50 °C) for dust. Includes printout of safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DFW-IECEX3GDZB**	

Why choose

- Thick, waterproof 17-key keypad.
- 6-digit, 25-mm LCD display with standard backlight.
- MASTER/REPEATER optional, specifically for using the indicator as universal repeater, or multi-scale in combination with DFW/DGT/MCW.
- Ideal for use on bench use.
- 4 channels (for single weighing system).
- Digital calibration and Set-Up from keypad.
- Up to 3,000,000-point internal resolution.

Main features

I/O SECTION:

- Configurable RS232/C bidirectional port for connection to printer/labeller, in safe zone.
- Configurable RS232/C bidirectional port for connection to PC, PLC, additional remote display, in safe zone.

KEYPAD FUNCTIONS:

- Zero
- Automatic tare
- Presettable tare
- 10-digit ID.1 and ID.2 code
- Command to print and/or send data
- Selectable function command, power on/off.

SELECTABLE FUNCTIONS:

- High-resolution display x 10
- Net/gross or conversion lb/kg
- Weight totalisation
- Formulation
- +/- control
- Percentage weighing
- Approved weight transmission to PC/ PLC (with ALMEM Alibi memory option)
- Counter
- Input/Output
- Hold
- Setpoint control (with DFIO option).

Technical features

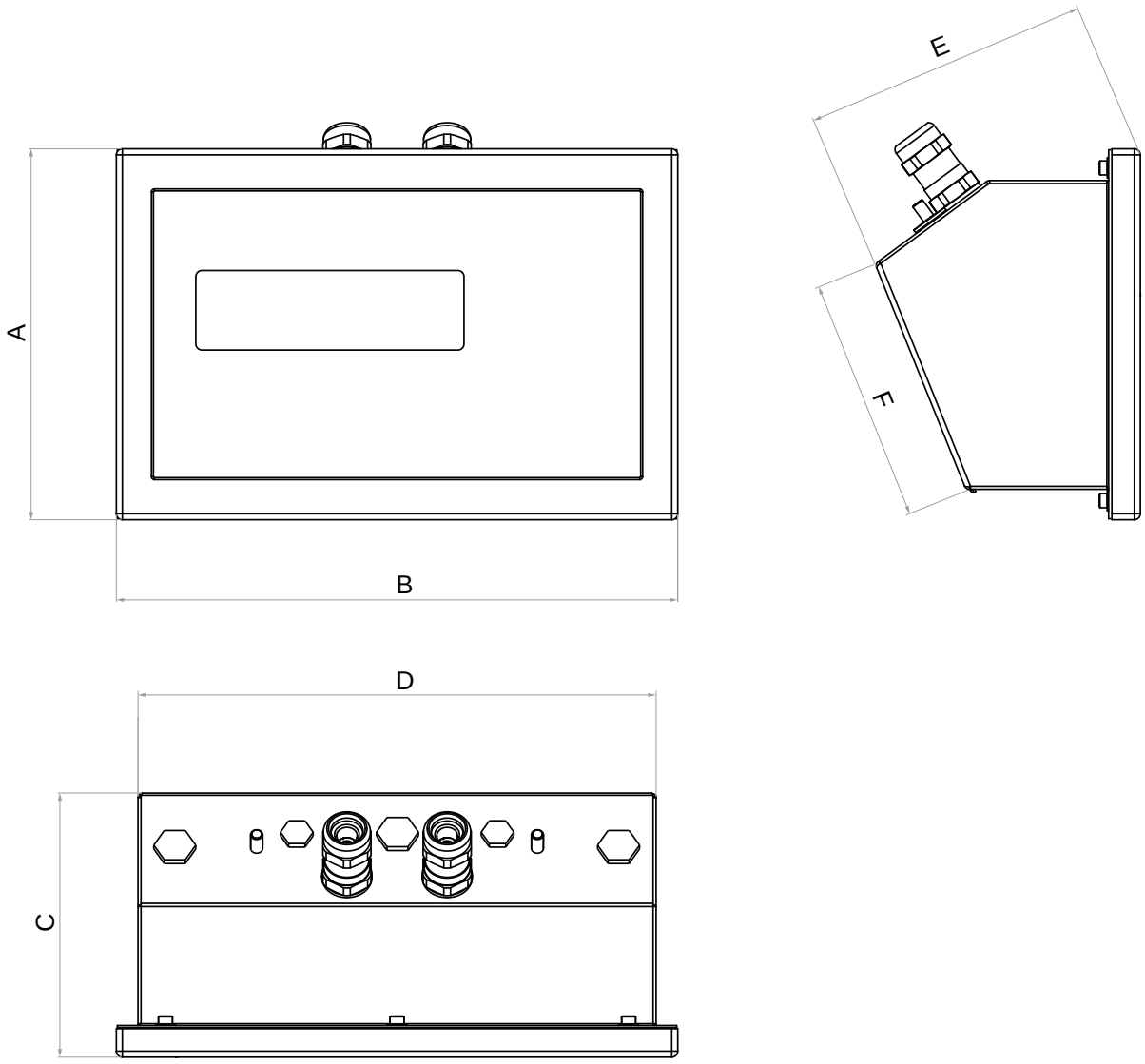
Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	-
TCP/IP Ethernet	○
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	-
Thermal printer	○
Time and date	○
Printing labels	○
Inputs	○ x2
Outputs	○ x6
Analogue output 4...20 mA, 0...10 Vdc	-
Backlit LCD display	●
Specific display	-
Keypad	Mechanical
Case	AISI 304 stainless steel
IP rating	IP68
Board power supply	5 ÷ 12 V
Indicator / battery charger power supply	110-240 Vac 12-24 Vdc
Internal battery	-
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	-
Connectable scales	1
No. analogue load cells	8 x 350 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)
- ATEX / IECEX
- EN/IEC 60079-0
- EN/IEC 60079-11 (version ZB)
- EN/IEC 60079-15
- EN/IEC 60079-31
- Australian legal for trade certificate of approval (NMI S788)
- Certified according to ATEX Directive 2014/34/EU and complying with the IECEx scheme, group II category 3GD according to standards EN/IEC 60079-0, EN/IEC 60079-11, EN/IEC 60079-15, EN/IEC 60079-31.

DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	258.4 mm
B	280 mm	**E**	143 mm
C	132 mm	**F**	120 mm

DFWATEX3GD

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

Weight indicator for ATEX zones at risk of explosion, suitable for weighing, dosing and automation systems. The IP68 satin-finish stainless steel case ensures sturdiness and protection against dust, gas and high-temperature water jets.

OIML APPROVED
IP68
STAINLESS STEEL
ATEX

Version codes

	DESCRIPTION	CODE	
	ATEX 3GD indicator in IP68 stainless steel with internal power supply unit. 17-key keypad, backlit LCD and standard weighing program. Protection: ATEX II 3G Ex nR IIC T6 Gc X for gas and ATEX II 3D Ex tc IIIC T85°C Dc IP68 X for dust. Includes manual and ATEX EU Declaration of Conformity, available in EN, DE, FR, IT.	**DFWATEX3GD-1**	
	ATEX 3GD indicator to be always combined with BP6ESTATEX3GD, BP6CB and BTCB3GD options. In IP68 stainless steel, with 17-key keypad, backlit LCD and standard weighing program. Protection: ATEX II 3G Ex nR IIC T6 Gc X for gas and ATEX II 3D Ex tc IIIC T85°C Dc IP68 X for dust. Includes manual and ATEX EU Declaration of Conformity, available in EN, DE, FR, IT.	**DFWATEX3GDB-1**	

Why choose

- With a high-contrast, 6-digit, 25-mm backlit LCD display to clearly show the weight even in low light and low temperature conditions.

The 17-key numeric and functional keypad is waterproof.

- Suitable for use on bench, column or wall.
- Up to 8 signal linearisation points with DINITOOLS (3 from keypad).
- Protection rating:
  - ATEX II 3G Ex nR IIC T6 Gc X for gas
  - ATEX II 3D Ex tc IIIC T85°C Dc IP68 X for dust.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION
(ONLY ON DFWATEX2GDIO VERSION)**:**

- Configurable RS232/C bidirectional port for connection to printer/labeller, in safe zone.
- Configurable RS232/C bidirectional port for connection to PC, PLC, additional remote display, in safe zone.

KEYPAD FUNCTIONS:

- Zero
- Automatic tare
- Presettable tare
- Print and/or send data
- Selected function command
- Power on/off
- 20-tare archive
- 2 numeric IDs
- Keypad lock
- Repeat last print carried out

SELECTABLE FUNCTIONS:

- High-resolution display x 10
- Net/gross or conversion lb/kg
- Weight totalisation
- Formulation
- +/- control
- Percentage weighing
- Approved weight transmission to PC/ PLC (with ALMEM Alibi memory option)
- Counter;
- Input/Output
- Hold
- Setpoint control (with DFIO option)

The information in this document may be subject to change without notice.

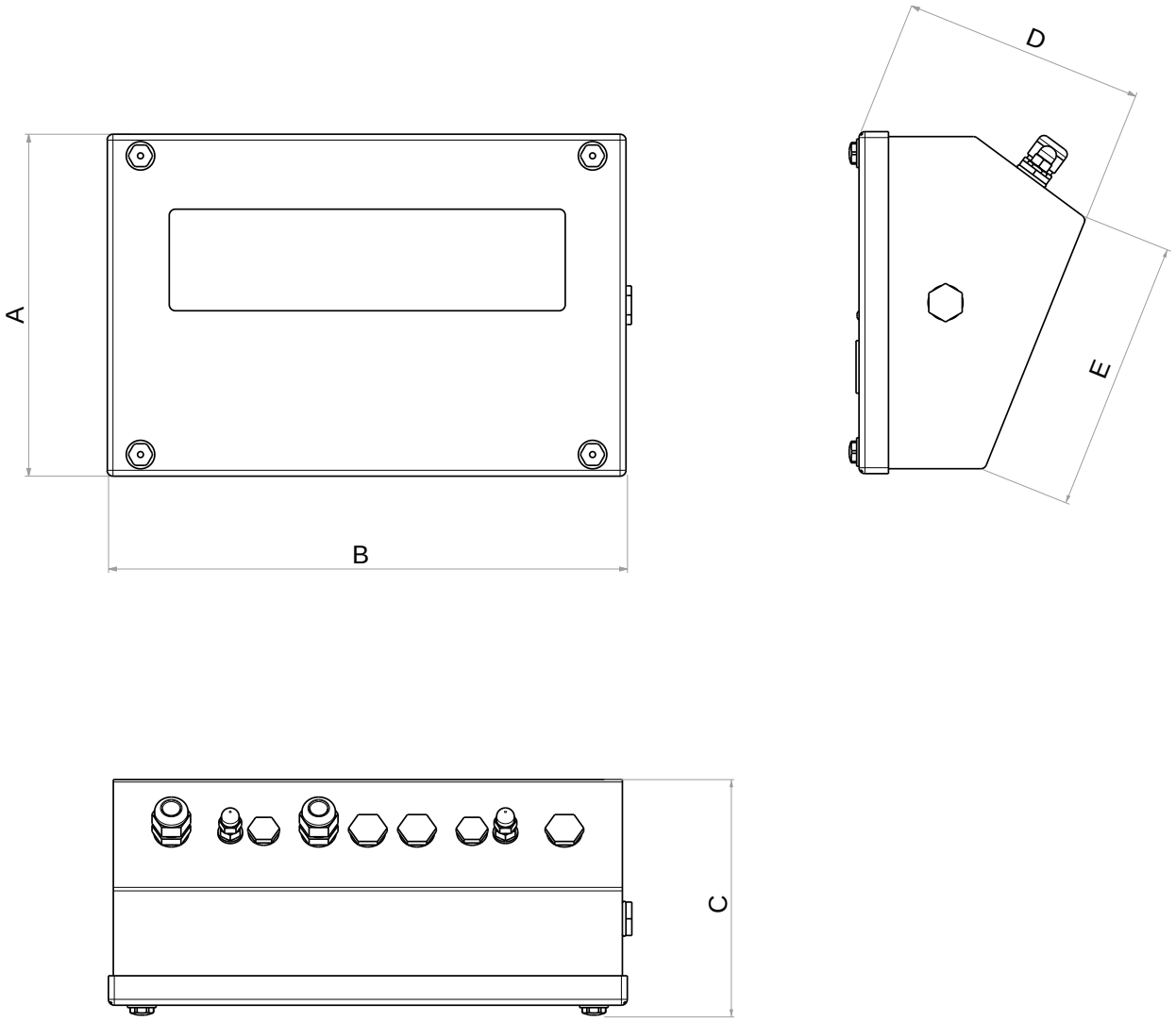
Technical features

Multifunction program	●
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	-
RS232/C bidirectional port	● x2
RS485 serial port (replacing 1 x RS232 serial port)	○
Bidirectional serial port over fibre optic	-
USB connection for PC	-
TCP/IP Ethernet	○
Wi-Fi	○
USB flash drive to save weighings	-
Bluetooth interface	-
Thermal printer	○
Time and date	○
Printing labels	○
Inputs	○ x2
Outputs	○ x6
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	●
Specific display	-
Keypad	Membrane
Case	AISI 304 stainless steel
IP rating	IP68
Board power supply	Battery: 6 V Power: 12 V
Indicator / battery charger power supply	110-240Vac or battery
Internal battery	○
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	-
Connectable scales	1
No. analogue load cells	8 x 350 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)
- ATEX / IECEX

Technical drawing (mm)



Dimensions			
A	174 mm	**D**	125 mm
B	264 mm	**E**	139 mm
C	129 mm		

DINI ARGEO
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DFWIECEX-BATCH1

WATERPROOF KEYPAD AND BACKLIT LCD DISPLAY

The DFWIECEX-BATCH1 weight indicator is ideal for single-product dosing systems in hazardous areas, thanks to the AISI 304 stainless steel case with IP65 and IP68 rating. With the new functions, it is also possible to manage 3 fill speeds (slow, medium, fast), in addition to raising the lance. Provides up to 50 memories to save preset dosing targets for quick recall.

OIML APPROVED | IP65 | IP68 | AISI 304 STAINLESS STEEL | ATEX

Version codes

	DESCRIPTION	CODE	
	Weight indicator, IECEX and ATEX certified, for zones 1, 21, 2, 22, for single-product loading dosage. With intrinsically safe, integrated RS485 serial port and 4 digital inputs and 12 digital outputs. Protection: Ex II 2(2)G(1)G Ex ib [ib Gb] [ia Ga] IIC T4 Gb X for gas and Ex II 2(2)D(1)D Ex tb [ib Db] [ia Da] IIIC T135°C Db X for dust (Ta=0 °C/+50 °C). Always combine with IECEXPW power supply unit or IECEXB battery. Includes printed safety instructions and ATEX Declaration of Conformity (EN, DE, FR, ES, IT).	DFWIECEX-BATCH1	

Why choose

- With an LCD display with RGB backlight that is easy to read even in low light conditions.
- State-of-the-art, high-speed X-Core CPU, ideal for handling fast and accurate weighing, filling or dosing processes.
- Flight weight management and control of tolerance, safety tare and programmable lance.
- 4 digital inputs for remote START, STOP and PAUSE.
- Protection against:
  - Gas: Ex ib [ib Gb] [ia Ga] IIC T4 Gb
  - Dust: Ex tb [ib Db] [ia Da] IIIC T135 °C Db
  - ATEX: II2(2)G(1)G
  - ATEX: II2(2)D(1)D
  - Ta 0°C / +50°C

Main features

COMMUNICATION INTERFACES:

- DIGITAL INPUTS/OUTPUTS:

  Intrinsically safe 4-input and 12-output digital board with the following specifications:

  Inputs
  - Ui: 18 V
  - Ri: 214 Ω
  - R input: 859 Ω

  Electronic relay outputs
  - Ui: 18 V
  - Pi: 1.75 W
  - In: 70 mA

- Intrinsically safe power supply terminal, for control devices in ATEX zone or push-button panels. Output voltage: 6V, maximum current: 300 mA.

  NOTE: By using the available power supply terminal, it is possible to operate the EXPHBN code push-button panel directly, even in a safe area, without protective barriers.

OPTIONAL ANALOGUE OUTPUT:

- Intrinsically safe analogue output, programmable at 0...10 Vdc, 0...20 mA or 4...20 mA.

NOTE: It is possible to transmit the signal directly to the safe area using the intrinsically safe protective barrier, code PFANOUTEX for analogue output in 0...20 mA (or 4...20 mA) configuration.

- The DFWIECEXAN analogue output is an active analogue output, therefore it must not be powered.
- The resistance of the analogue input must be:
  - If the output signal is voltage: Rmin=1K
  - If the output signal is current: Rmax=300 ohm

RS485 SERIAL PORT:

- 2 optional intrinsically safe RS485 serial ports for communication with repeaters and other devices.
- ASCII Protocol
- Programmable weight string and read command

NOTE: It is possible to transmit the data directly to the safe area using the protective barrier, code PFB485EX.

Technical features

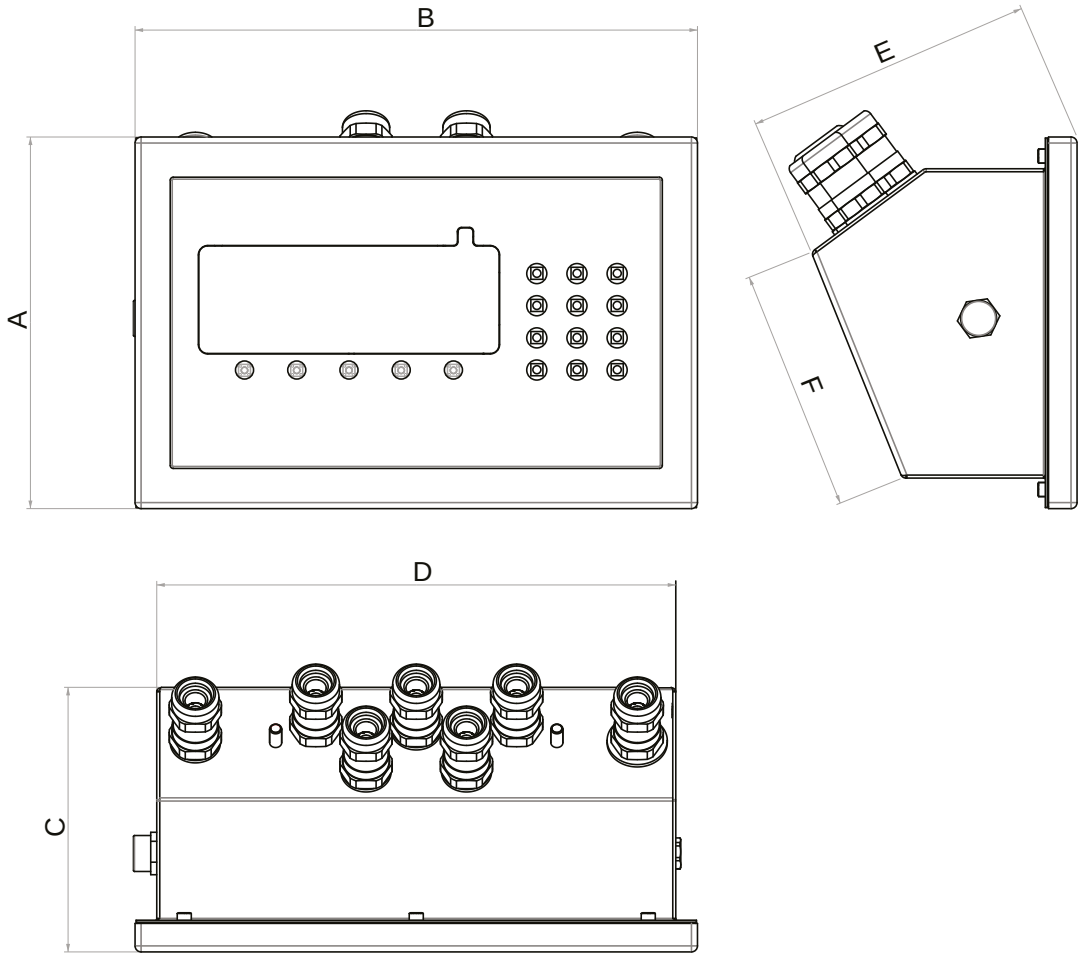
Multifunction program	-
Program for weighbridges	-
Program for weighing wheels and vehicle axles	-
Program for dosing	●
RS232/C bidirectional port	-
RS485 serial port (replacing 1 x RS232 serial port)	● x1 ○ x2
Bidirectional serial port over fibre optic	-
USB connection for PC	-
TCP/IP Ethernet	-
Wi-Fi	-
USB flash drive to save weighings	-
Bluetooth interface	○
Thermal printer	-
Time and date	○
Printing labels	-
Inputs	4
Outputs	12
Analogue output 4...20 mA, 0...10 Vdc	○
Backlit LCD display	●
Specific display	Colour
Keypad	Mechanical
Case	AISI 304 stainless steel
IP rating	IP65 and IP68
Board power supply	5.1 ÷ 9.6 V
Indicator / battery charger power supply	○
Internal battery	○
Adjustable tilt bracket	○
OIML features	3.000e, 2x3.000e, 3x3.000e, 6.000e, 6.000+6.000e, 10.000e
Converter	-
Connectable scales	1
No. analogue load cells	8 x 350 Ω
OIML R76 / R51 - MID / R134 approvals	●

Approvals

- EC Type Examination Certificate (EN 45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R61 - MID
- Australian Pattern Approval (NMI)
- ATEX / IECEX
- EN/IEC 60079-0
- EN/IEC 60079-11
- EN/IEC 60079-5
- EN/IEC 60079-31
- Certified according to ATEX Directive 2014/34/EU and complying with the IECEx certified equipment scheme, group II category 2GD according to standards EN/IEC 60079-0, EN/IEC 60079-11, EN/IEC 60079-5, EN/IEC 60079-31.s. IECEx and ATEX certified and approved for Legal for Trade use.

DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical drawing (mm)



Dimensions			
A	185 mm	**D**	258.4 mm
B	280 mm	**E**	144 mm
C	132 mm	**F**	121 mm

LIST OF MAIN

OPTIONS AND ACCESSORIES

DFW SERIES

DINI ARGEO

Main options and accessories

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Alibi memory and Calendar Clock for DFWIECEX indicator.															•						**ALM-IECEX**	
	Version with AU battery charger.						•	•														**AUS-V4**	
	Connection cable for DFWBP76ATEXD battery.																•					**BTCB2GD** S1	
	Connection cable for BP6ESTATEX3GD battery.																			•		**BTCB3GD**	
	Program for peak weight measurement or conversion kg/N.					•	•		•	•	•				•							**DFWPK**	
	Intrinsically safe analogue output board, 4..20 mA, 0..10 Vdc.				•																	**IECEXANOUT**	
	Bracket for installing panel indicator.				•											•			•			**PANEL-ST**	
	24 Vdc power supply unit for PFANOUTEX protection barrier.				•											•						**PFANOUTEXPW**	
	Version with AU power cable.												•			•						**PWCORDAUSVDE**	
	Version with BS1363 power cable (UK plug).												•			•						**PWCORDUKVDE**	
	RS232/C cable l=1.5 m for connection to PC.												•									**RSCBP2P**	
	Version with UK battery charger.						•	•														**UK-V4**	
	Version with US battery charger.						•	•														**US-V4**	
	IECEx and ATEX power supply unit for DFWIECEX with 110-230 Vac input. Includes input cable for connection to main (6 m) and output cable for connection to indicator (3 m).				•											•						**IECEXPW** S6	
	IECEx and ATEX power supply unit for DFWIECEX with 24 V (AC or DC) input. Includes input cable for connection to main (6 m) and output cable for connection to indicator (3 m).				•											•						**IECEXPW24** S6	

Main options and accessories

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Armoured cable 4x1 mm² (suitable for Ex zones). Inner sheath in PVC compound.																•	•				**EXACBPW**	S6
	Type-approved software for recording weighing results to a PC (virtual alibi function) with an integrated API library for interfacing with other software.	•	•	•												•						**D-LEGAL**	
	Version with US type-B power cable (Japan, North and Central America).												•									**PWCORDUSVDE**	
	Kit of 10 metal expanders PG9 to PG11, IP68 (max. cable ø 12 mm).					•	•		•	•	•	•		•	•						•	**PG9PG11C**	
	Kit of 10 metal expanders PG9 to PG13, IP68 (max. cable ø 12 mm).					•	•		•	•	•	•		•	•						•	**PG9PG13C**	
	IECEXB battery charging kit (safe zone charging). Consisting of certified battery charger mod. IECEXCB and power supply unit with 230 Vac plug (VDE cable).															•						**IECEXCBAL**	
I/O	Board with 4 opto-isolated digital inputs and 4 outputs, intrinsically safe, for controlling devices in zones at risk of explosion.															•						**IECEX4IN4OUT**	S3
RS485	Intrinsically safe RS485 serial port, for communication in ATEX zone. Maximum communication distance 200 m.				•											•						**485IECEX**	
	Cable with connector for connection of IECEXB battery to DFWIECEX indicator. Length: 1.2 m.															•						**BTCBIECEX**	S1
	PC software for vehicle weighing. May be combined with DFW, DGT and 3590 series weight indicators.								•	•	•			•	•		•		•	•		**WEITRUCK-1**	
	Installation of the ZBA1S / PFB485EX Zener barrier inside the indicator case.				•											•				•		**ZBINST**	
	RS485 alphanumeric repeater with multicolour 110-mm LED display. Complete with 10-m RS485 cable with IP67 connector.										•											**GLR100**	

The information in this document may be subject to change without notice.

Main options and accessories

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	3/2-way poppet valve, with Piezopilot valve, stacked, normally closed (NC). Compatible with DFWIECEX digital outputs. Complies with ATEX Directive and IECEx certified equipment scheme.				•											•						**PPVIECEX**
	3/2-way poppet valve, with Piezopilot valve, stacked, normally closed (NC). Compatible with DFWIECEX digital outputs. Complies with ATEX Directive.				•											•						**PPVEX**
	ATEX 3GD weight repeater with 60-mm LED display. Housing in IP68 stainless steel, 5-key keypad.																			•		**DGT60R3GD2**
	PG9 cable gland for DFW and 3590 series IECEx Cable diameter: from 4 to 7 mm, or from 7 to 10 mm.				•											•			•			**PG9-IECEX**
	PG7 cable gland for DFW and 3590 series IECEx Cable diameter: from 4 to 7 mm.				•											•			•			**PG7-IECEX**
	PG13 cable gland for DFW and 3590 series IECEx Cable diameter: from 5.5 to 8 mm, from 8 to 10.5 mm, or from 10.5 to 13 mm.				•											•			•			**PG13-IECEX**
	Software for recording weighing results to a PC (for internal use) with an integrated API library for interfacing with other software.				•											•						**D-API**
	Armoured cable 6x0.25 mm^2 (suitable for Ex zones). Internal sheath in PVC, diameter 5 mm.				•											•	•	•		•		**LCCBA**
	Protective barrier for analogue output in current, in configuration 0..20 mA or 4..20 mA, for direct connection in safe area. Max cable length: 200 m.				•											•						**PFANOUTEX**
	ETHCBEX cable with cable gland and connectors. Length: 10 m.																		•	•		**ETHCBEX10M** S3
	RS485 connection cable for series Fieldbus to CPU. Length: 20 cm.																•					**191750**
	5-key indicator, with external power supply unit. NOT INCLUDED: internal battery, RJ45 port, cable glands and plugs. No factory-installed options.									•												**DFW1**

Main options and accessories

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Protective barrier for RS485, for direct connection in safe area. Max cable length: 200 m.				•									•	•	•	•	•		•		**PFB485EX**
	Set of connectors for fibre optic for connection of weight indicator to fibre optic/RS232 converter.																•	•				**CNFOPT** (S2)
	IECEx and ATEX rechargeable external battery for DFWIECEX, capacity 9 Ah, with connector for quick release.															•						**IECEXBP**
Bluetooth 4.2	Integrated Bluetooth 4.2 interface, for zone at risk of explosion. Maximum communication distance: 10 m. Only available for DFWIECEX indicators. Assembly service included.				•											•						**BTH-IECEX**
	ATEX Declaration of Conformity. Ex II 2G IIC T4 Gb X and Ex II 2D IIIC T135 °C Db X (Ta=0 °C/+40 °C) system, with respective label for complete system, for Dini Argeo DFWIECEX weight indicator connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). Supplied with document describing assembly and ATEX EU Declaration of Conformity for equipment (EN and IT).				•											•						**EXDC**
	Intrinsically safe Zener barrier with three channels. Specific for connection to load cells, for mounting on DIN rail in safe area or explosion-proof enclosure.					•	•		•	•	•	•		•	•					•		**ZBA1S**
	Weight transmitter for DIN rail, with 2 IN, 2 OUT and analogue output. 5-key keypad and LED display. Multifunctional weighing program.																•	•				**DGT1SAN**

Junction boxes / Junction boards - Cell cables

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Internal board for quick connection of multiple channels (equalised).									•	•	•		•	•						•	**DFW4CH**	S1
	LCCBC cable + 10-m extension.	•		•		•	•		•	•	•	•		•	•							**LCCB10C**	S1
	LCCBC cable + 5-m extension.	•		•		•	•		•	•	•	•		•	•							**LCCB5C**	S1
	Shielded cable 6x0.25 mm^2 (suitable for Ex zones). Inner sheath in PVC. Shielding with tinned copper braid. External sheath in PVC, diameter 5.8 mm.				•											•	•	•		•		**LCCB**	
	Cable for connection of platform to indicator, l=50 cm. Female connector, solder type.	•		•		•	•		•	•	•	•		•	•							**LCCBC**	S1
	Stainless steel equalised junction box with up to 4 load cells. IP68/IP69K protection rating, with 4 + 1 cable gland.																				•	**JB4QIP69K**	

Saving weights

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Set of 5 x USB flash drives for storing weights.									•	•	•	•	•	•							**USBK**	
	Internal interface for saving data on USB flash drive. USB flash drive supplied as standard.									•	•	•		•	•							**USBC-1**	S1
	Panel interface for saving data on USB flash drive. With USB flash drive for PC.												•									**USBCKR-1**	S1
	Integrated USB port for saving data on USB flash drive. Combine with DFWLI and DFWLKI weight indicators. USB flash drive supplied as standard.								•													**USBDFWL-1**	S1
	"WeiMonitor" PC software for monitoring/recording weights made on connected scale, in real time (the price shown alongside refers to the licence for managing one scale).	•				•	•		•	•	•	•	•	•	•		•		•	•	•	**SWM**	

Approval

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Approved for Australia, for individual platform/scale.				•	•	•		•	•	•			•	•	•	•		•	•	•	ECEM-AU
	Welmec plates and module for a scale. NET PRICE. Service available in combination with Dini Argeo indicator.	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	KCEM

Printers/Labellers

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Customised printouts for DFW and DFWL series. NET price.	•		•			•		•	•	•	•	•	•	•							CNFSERV
	Service loading one custom code-page, for TPR printer. Standard code-page: PC437 (USA, Central Europe).	•		•			•		•	•	•	•	•	•	•				•	•		CODEPG
	Thermal transfer or direct thermal labeller. With peel-off mechanism as standard. Maximum print dimensions: 25400 x 108 mm.	•		•			•		•	•	•			•	•				•		•	LP542TE S1
	Solidly connected thermal printer in IP65 stainless steel.													•	•							TPRXT S1
	Desktop thermal printer. For weight indicator, with container in IP40 ABS, 1.5-m connection cable and internal power supply unit. Thermal paper roll included as standard.						•		•										•	•		OBTPRB S1
	Direct thermal or transfer labeller. Optional peel-off. Maximum print dimensions: 25400 x 108 mm.	•		•			•		•	•	•			•	•							SMTPLUS-2 S1
	Peel-off and rewind kit for SMTPLUS-1 labeller.													•								SMTRPK-1 S1
	Thermal printer with paper cutter. Paper roll not included.	•		•																		PR80-3

The information in this document may be subject to change without notice.

Printers/Labellers

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Cable with AMP RS232 connector l = 1.5 m, for LP542xx, SMTPLUS printers.	•		•																		RSCBLPA
	Cable with AMP RS232 connector l = 10 m, for LP542xx, SMTPLUS printers.	•		•																		RSCBLPA10M
	1,5 m cable for connecting PR80-3 printer.	•		•																		RSCBSHTP
	10 m cable for connection to the PR80-3 printer.	•		•																		RSCBSHTP10M

Communication interfaces

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	RS485 bidirectional ports for DFW series.									•	•	•	•	•	•					•		DF485
	ATEX RS485 port, for DFWATEX2GDF and DFWATEX2GDIO.																•	•				DF485EX
	Internal RS485 interface (assembly and cable gland not included).						•		•										•		•	RS485C
	Alibi memory (fiscal memory, max. 120,000 weighings) for approved weight transmission to PC/PLC or storage on MMC/USB.					•	•		•	•	•			•	•				•	•	•	ALMEM-1
	Alibi memory for ATEX 2GD indicator (fiscal memory, max. 120,000 weighings) for approved weight transmission to PC/PLC.																•					ALMEMATEX
	Internal opto-isolated analogue output, 0-4/20 mA, 0-10 Vdc. (cable gland not included). For DFW, 3590 and CPW series indicators. Output -10/+10 Vdc upon request, only in order phase.									•	•		•	•	•					•		DAC16O-2
	Opto-isolated analog output, 0-4/20 mA, 0-10Vdc. Assembly included. *Carrier board (CBD) required.	•		•																		FO-ANOUT
	Internal 2 IN / 6 OUT interface (requires FW 05.05.00 or higher).								•	•	•			•	•						•	DFIO-1
	External 2.4 GHz radio module for PC, with USB cable l=1 m. Power supply direct from USB port. Maximum operating distance in suitable environmental and installation conditions: 45 m indoor, 140 outdoor. 39 configurable channels.									•	•	•	•	•	•						•	OBRF2G4-USB

Communication interfaces

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Built-in 2.4 GHz radiofrequency module with IP69K protection rating assembly included. Maximum operating distance up to 60 m INDOOR, and up to 80 m OUTDOOR Max. Up to 38 configurable channels. (RF2G4X69K must be combined with another radio module). NOTE: Requires carrier board (FO-CBD).	•		•																		**FO-RF2G4**	
	2.4 GHz radio-frequency module with TTL port. Maximum operating distance in suitable environmental and installation conditions: 45 m indoor, 140 m outdoor.						•															**RF2G4-TTL**	S1
	Internal 2.4 GHz radio module. Maximum operating distance in suitable environmental and installation conditions: 45 m indoor, 140 m outdoor. Max. 39 configurable channels. (RF2G4 must be in combination with another radio module).								•													**RF2G4**	S1
	Board for internal installation with 2 inputs and 6 opto-isolated digital outputs, mounting included.	•		•																		**FO-DFIO**	
	Ethernet TCP/IP port - Modbus TCP, mounting included.		•	•																		**FO-ETH**	
	WiFi communication port with IP68/IP69K antenna, mounting included.	•	•	•																		**FO-WIFI**	
	Alibi Memory board, assembly included.	•	•	•																		**FO-ALMEM**	
	Board for integrated installation of optional 2.4 GHz radio or BTH/BLE modules.			•																		**FO-CBD**	
	Internal 2.4 GHz radio module with IP69K rating. Maximum operating distance in suitable environmental and installation conditions: 45 m indoor, 140 m outdoor.																				•	**RF2G469K**	S1
	2.4 GHz radio-frequency module for ATEX zones 2 & 22. Protection case in IP66 ABS, armoured 3-m cable and power supply from indicator.																			•		**OBRF2G4-3GD**	S6
	External 2.4 GHz radio module, with cable l=3 m. Case in IP65 ABS, powered from indicator. Maximum distance in suitable environmental and installation conditions: 45 m indoor, 140 m outdoor. 39 configurable channels.								•	•	•	•		•	•						•	**OBRF2G4**	S1

Communication interfaces

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	External module for 2.4GHz radio frequency communication. Equipped with 3 m cable. Designed for IP66 rating. Maximum operating distance up to 60 m INDOOR, and up to 80 m OUTDOOR. To be connected to an RS232 port. Includes PG9 cable gland for indicator.	•		•																		**OBRF2G4X**	
	External module for 2.4GHz radio frequency communication, with USB type A port, for PC. Equipped with 1 m cable. Designed for IP66 rating. Maximum operating distance up to 60 m INDOOR, and up to 80 m OUTDOOR.	•		•																		**OBRF2G4X-USB**	
	External module for BLE 5.0 communication. Equipped with 3 m cable. Designed for IP66 rating. Maximum operating distance up to 30 m INDOOR, and up to 100 m OUTDOOR. To be connected via RS232. A PG9 cable gland for the indicator is included.	•		•																		**OBBLTHX**	
	DIN rail fibre optic/RS232 converter for synthetic fibre optic, max. length 100 m (longer lengths on request). For connection to PC, PLC.																•	•				**FBDIN100** (S2)	
	Internal Wi-Fi interface. For wireless connection (via access point) to the company computer system.									•	•	•	•									**WIFITD-3** (S1)	
	Internal Wi-Fi interface. For wireless connection (via access point) to the company computer system.									•	•	•	•									**WIFITD-3** (S1)	
	Internal Wi-Fi interface. For wireless connection (via access point) to the company computer system.								•					•	•							**WIFITPWLK-2** (S1)	
	Internal Wi-Fi interface with IP69K rating. For wireless connection (via access point) to the company computer system.																				•	**WIFITD69K**	
	Internal Bluetooth interface. For wireless connection of the scale to tablets, smartphones, laptop PCs, or barcode readers.					•	•		•	•	•	•	•	•	•						•	**BLTH-3** (S1)	

Communication interfaces

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	BLE 5.0 Bluetooth interface, completa di antenna e kit di montaggio IP68/IP69K, montaggio incluso. Requires carrier board (FO-CBD).			•																		**FO-BLE**	
	Bluetooth Classic 4.2 interface, complete with antenna and IP68/IP69K mounting kit. Assembly included. Requires carrier board (FO-CBD).			•																		**FO-BTH**	
	Bluetooth 5.0 card (BLE, SPS protocol compatible), mounted inside the indicator, complete with antenna and mounting kit with IP68/IP69K protection. Maximum operating distance up to 30 m INDOOR, and up to 100 m OUTDOOR.	•																				**BLTHX**	
	Internal Ethernet interface. 10-100 Mbps speed, TCP, UDP, IP, ARP, ICMP protocols, Ethernet Mac.								•	•	•	•	•	•	•				•	•	•	**ETHD**	S1
	External module for reading and compensation of weighing system inclination, approved for use in third-party relationship, to be combined with DFWX series indicators. Connection in 232 (485 on request). Cable supplied as standard, length 3m.	•		•																		**LEVEL3AX**	

Connection cables

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	RS232 cable l = 1.5 m for LP542xx, SMTPLUS, PR80 printers.									•	•	•	•	•	•					•		**RSCBLP**	S1
	RS232 cable l = 10 m for LP542xx, SMTPLUS, PR80 printers.																•	•				**RSCBLP10M**	S1
	RS232/C - DB9/RJ11 serial cable - l = 1.5 m.						•		•										•		•	**RSCBRJ**	S1
	RS232/C - DB9/RJ11 serial cable - l = 10 m.					•	•		•	•	•			•	•				•	•	•	**RSCBRJ10M**	S1
	4-core shielded twisted pair cable (2x2x0.34 mm²), for RS485 communication or analogue output. Inner sheath in polyolefin.	•		•													•					**RSCBTW**	
	Synthetic fibre optic cable. €/m (Min. 10 m). Warning: requires a set of connectors for CNFOPT fibre optic.									•	•		•	•	•					•		**CBFOPT**	S2
	Shielded cable 10x0.25 mm² (suitable for Ex zones). Sheath in PVC, diameter 7.5 mm.	•		•	•											•						**CB10P**	
	USB PC/RS485 converter cable, l=1.5 m. With PG9 metal cable gland.	•		•					•	•	•			•	•						•	**RSCBUSB485**	
	Ethernet cable, l=1.5 m. With cable gland, for connection between indicator and PC network.																					**ETHCBRJ**	S1
	USB PC/RS232 DB9 converter cable, l=1.5 m. USB/DB9 connector.									•	•	•	•	•	•						•	**RSCBUSBKR**	
	USB PC/RS232 converter cable, l = 1.5 m. USB/RJ11 connector.						•															**RSCBUSB-1**	
	Internal 2.4 GHz radio module. Maximum operating distance in suitable environmental and installation conditions: 45 m indoor, 140 m outdoor. Max. 39 configurable channels. (RF2G4 must be in combination with another radio module).			•					•													**RSCBUSBPG**	S1
	Multi-core cable (4x2xAWG24) suitable for Ethernet connections in Ex zones (connectors and cable gland only installed with S6 service)																		•	•		**ETHCBEX**	S6
	(S1) RS232 cable for connection to 3590EGT.																				•	**RSCBSHG**	S1
	USB PC/RS232 converter cable, l=1.5 m. USB connector on PC side, tips on scale side. PG9 cable gland included.	•																			•	**RSCBUSB3P**	

S1 service includes:
- Installation of the option with the addition of any mechanical mounting accessories (if not included with the option)
- Configuration (if required)
- Testing

Connection cables

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Ethernet shielded cable 3 m long for connection between scales/network.	•																				ETH3MC	S1
	Ethernet shielded cable 5 m long for connection between scales/network.	•																				ETH5MC	S1
	Ethernet cable, length = 5 m. Complete with hygienic cable gland, for connection between indicator and PC network.		•																			ETH5MC-HGX	S1

Solidly connected control light

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	3-Way control light in stainless steel (for indicators with relay outputs). For solidly connected assembly to stainless steel indicators in "XT" range. Connection cable and power supply from indicator.													•	•							OBCLTI	S1
	3-Way control light in ABS (for indicators with relay outputs). Audible alarm signal, connection cable, power supply from indicator.									•	•											OBCLTP	S1

Calendar clock / date & time

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Calendar clock for printing/ displaying the date and time.	•		•																		FO-CLOCK	S1
	Calendar clock for printing/ displaying the date and time with PCB, terminals, plastic box and labels with UL marking (if included).					•	•		•	•	•			•	•				•	•	•	DFCLK	S1

Weight repeaters

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Weight repeater with 100-mm LED display. Housing in IP68 stainless steel, 5-key keypad, and valve for regulating humidity and pressure.						•		•	•	•	•	•	•	•						•	**DGT100R-1**
	Program for transforming weight indicator into repeater. Combine with DFW and DGT range weight indicators.					•	•		•	•	•		•	•	•		•	•	•	•	•	**MSTSLV**
	Weight repeater with 60-mm LED display. Housing in IP68 stainless steel, 5-key keypad, valve for regulating humidity and pressure, and configurable protocol.																				•	**DGT60R-1**
	RS485 alphanumeric repeater with 110-mm multicolour LED display, stainless steel case and IP68 protection rating.																				•	**GLR100I**

Columns, support brackets, shields

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Bracket in stainless steel for mounting “IECEXB” battery on column.															•						**EXSTFA12**
	Bracket in stainless steel for mounting ATEX battery on column. Compatible with “DFWBP76ATEX..”, “IECEXB”, “BP6ESTATEX3GD..” and “BP6V12A”.																•			•		**STFA12**
	AISI 304 stainless steel bracket, adjustable tilt. For mounting weight indicator on wall.								•	•	•	•		•	•		•	•		•	•	**STFR-1**
	AISI 304 stainless steel bracket, wall-mount. For mounting weight indicator.									•	•	•		•	•		•	•		•	•	**STFI-1**
	AISI 304 stainless steel bracket, adjustable tilt. For mounting IECEX weight indicators on wall.				•											•			•			**EXSTFR**
	AISI 304 stainless steel bracket, wall-mount. For mounting IECEX weight indicators.				•											•			•			**EXSTFI**

Options for ATEX installations

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	ATEX equalised junction box in IP67 ABS, for max. 4 cells. 4 + 1 cable gland.					•	•		•	•	•	•		•	•					•		**JB4QA**
	ATEX equalised junction box, IP66 stainless steel, up to 4 cells. 4 + 1 cable gland.					•	•		•	•	•	•		•	•					•		**JB4QAI**
	ATEX Zener 3 barrier kit for load cells, in ABS box. For max. 4 x 350 ohm cells, for intrinsically safe weighing systems in hazardous area.					•	•		•	•	•	•		•	•					•		**KMB4-1**
	ATEX box kit in ABS, with ZBA1S barrier for load cells. For intrinsically safe weighing systems in hazardous area. Dimensions: 179x359x166.5 mm.					•	•		•	•	•	•		•	•					•		**KZBA-1**
	Blue shielded cable 6x0.22 mm^2, only for EX i assemblies (2GD). Inner sheath in PVC. Shielding with tinned copper braid. External sheath in polyurethane, diameter 5.8 mm.				•	•	•		•	•	•	•		•	•	•	•	•				**EXCB6** S6
	ATEX Declaration of Conformity for equipment. Type: Ex II 2G IIC T4 Gb X and Ex II 2D IIIC T197 °C Db X, with respective label for assembly, for Dini Argeo ATEX indicator connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX). Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN and IT).																•	•				**DCATEX2GD**
	ATEX Declaration of Conformity for equipment for system with Dini Argeo Zener barriers. Type: Ex II 2G IIC T6 Gb X and Ex II 2D IIIC T125 °C Db X, with respective label for assembly, for weight indicator connected to Dini Argeo Zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX). Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN and IT).					•	•		•	•	•	•		•	•				•			**DCATEXMB4**

Options for ATEX installations

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	ATEX Declaration of Conformity for equipment. Type: Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115 °C Dc X, with respective label for assembly, for Dini Argeo ATEX-certified or NON-certified indicator (in the latter case, install in safe zone), connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX or CCATEX3GD). Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN, DE, FR, ES and IT).																		•	•		**DCATEX3GD**	

Consumables

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	50 thermal paper rolls, length: 30 m, width: 57 mm. Hole: 12 mm. Outer diameter: 51 mm.												•									**RPT57C**	

Digital Inputs / Outputs

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Internal 2 IN / 6 OUT ATEX 3GD interface (requires FW 05.05.00 or higher).																		•	•		**DFIO3GD-1**	
	Set of 2 ATEX cable glands for PW200XRDxxx. Specific for use of INPUT/OUTPUT on DFWATEX2GDIO or DFWATEX2GDF.																•	•				**PW200IO**	
	Set of 2 ATEX cable glands for PW200XRDxxx-1. Specific for use of INPUT/OUTPUT on DFWATEX2GDIO or DFWATEX2GDF.																•	•				**PW200IO-1**	

Power supply units

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Battery charger for safe zone, for ATEX BP6ESTATEX3GD battery.																			•		**BP6CB**
	Complete battery charger for safe zone, for ATEX DFWBP76ATEXD batteries.																•					**DFWBPAL-2**
	External ATEX battery pack, in IP65 stainless steel, for zones 2 and 22.																			•		**BP6ESTATEX3GD**
	Rechargeable ATEX battery, for zones 1 and 21. If combined with DFWATEX weight indicator, requires additional BTCB2GD cable.																•					**DFWBP76ATEXD**
	ATEX power supply unit with 230 Vac input. Intrinsically safe 10.5 Vdc output, with Exd enclosure, with the following protection modes: ATEX II 2(2) G Ex d [ib Gb] IIC T4 Gb and ATEX II 2(2)D Ex tb [ib Db] IIIC T140 °C Db.																•	•				**PW200XRD230-1**
	ATEX power supply unit with 24 Vac input. Intrinsically safe 10.5 Vdc output, with Exd enclosure, with the following protection modes: ATEX II 2(2) G Ex d [ib Gb] IIC T4 Gb and ATEX II 2(2)D Ex tb [ib Db] IIIC T140 °C Db.																•	•				**PW200XRD24A**
	ATEX power supply unit with 24 Vdc input. Intrinsically safe 10.5 Vdc output, with Exd enclosure, with the following protection modes: ATEX II 2(2) G Ex d [ib Gb] IIC T4 Gb and ATEX II 2(2)D Ex tb [ib Db] IIIC T140 °C Db.																•	•				**PW200XRD24D-1**

Protection cover

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Kit of 10 moulded protective covers in clear plastic. For DFWXP or 3590EXP series indicators with case in ABS.									•	•	•	•									**CVRXP**

Digital inputs / outputs

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	19-key remote control and infrared receiver kit (max 8 m).					•	•			•		•	•	•								**DFTL12-1** (S1)
	Radio-frequency remote control and receiver with extension, for installations where other optional boards are required with connection on AMP.								•	•	•	•	•	•	•							**TLRP** (S1)
	(S1) Radio-frequency remote control and receiver. 433 MHz, 6 keys, for use up to 50-m distance, in suitable environmental conditions (not compatible with repeater indicator or MSTSLV option).																				•	**TLR-1** (S1)
	Radio frequency 868 MHz 6 keys remote control and Radio frequency receiver box, for external installation. Fitted with 3 m cable. To be connected over a RS232 port. Includes an extra PG9 cable gland for installation.	•		•																		**REMOTE**

S1 service includes:
- Installation of the option with the addition of any mechanical mounting accessories (if not included with the option)
- Configuration (if required)
- Testing

Optional power supply cables

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code
	Version with AU power cable.								•	•	•	•		•	•						•	**PWCORDAUS**
	Version with SEV1011 power cable (CH plug).	•	•	•					•	•	•	•		•	•						•	**PWCORDCH**
	Version with BS1363 power cable (UK plug).								•	•	•	•		•	•						•	**PWCORDUK**
	Version with US type-B power cable (Japan, North and Central America).								•	•	•	•		•	•						•	**PWCORDUS**

PG cable glands

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Set of 10 PG7 metal cable glands for weight indicators. With ring nuts and seals.	•		•					•					•	•						•	**PG7M**	
	Set of 10 PG7 cable glands for indicators in ABS. With ring nuts and seals.					•	•			•	•	•										**PG7P**	
	Set of 10 PG9 metal cable glands for weight indicators. With ring nuts and seals.	•		•					•					•	•						•	**PG9M**	
	Set of 10 PG9 cable glands for indicators in ABS. With ring nuts and seals.					•	•			•	•	•										**PG9P**	
	Set of 10 PG7 metal cable glands for ATEX indicators. With ring nuts and seals. Cable diameter: from 3 to 6.5 mm.																•	•		•		**PG7EX**	
	Set of 10 PG9 metal cable glands for ATEX indicators. With ring nuts and seals. Cable diameter: from 4 to 8 mm.																•	•		•		**PG9EX**	
	Set of 10 PG11 metal cable glands for weight indicators.																				•	**PG11M**	
	Set of 10 PG13 metal cable glands for weight indicators.	•		•																	•	**PG13M**	
	Single hygienic PG9 cable gland for DFWX-HGX.		•																			**PG9-HGX**	

RS485 barriers

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Special power supply for active barrier ZB485.																•	•				**ZBPWR24**	
	Active barrier RS485. Marking: ATEX II (1) GD [EEx ia] IIC, I (M2) [EEx ia] I, II 3G Ex nA II T4, [Ex ia] IIC. 24 Vdc power supply not included, we recommend combining with ZBPWR24.																•	•				**ZB485** S6	

Floor columns

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Column in stainless steel, 450 x 450 mm, h = 917 mm, Ø 38 mm. Base in painted steel. For Dini Argeo and SCALE HOUSE indicators.					•	•		•	•	•	•		•	•							**CSP38**	
	Column in stainless steel, 350 x 350mm mm, h = 750 mm. Base in painted steel. For Dini Argeo and SCALE HOUSE indicators.					•	•		•	•	•	•		•	•		•					**CSP38D**	
	Column in AISI 304 stainless steel, 450 x 450 mm, h = 917 mm, Ø 38 mm. For Dini Argeo and SCALE HOUSE indicators.					•	•		•	•	•	•		•	•		•				•	**CSP38I-1**	
	Support bracket for DFWX series indicators, DFWXB, DFWX-ETH, DFWXB-WIFI.	•		•																		**DFWXCL**	
	Stainless Steel column, length 350 mm, for installation integral with T, TE, PB, PBI series platforms. Indicator support bracket excluded, (to be combined with DFWXCL or 3590CL). NOTE: -2 column models do not include the indicator holder bracket.	•		•																		**TCBI350-2**	
	Stainless Steel column, length 500 mm, for installation integral with T, TE, PB, PBI series platforms. Indicator support bracket excluded, (to be combined with DFWXCL or 3590CL).	•		•																		**TCBI500-2**	
	Stainless Steel column, length 700 mm, for installation integral with T, TE, PB, PBI series platforms. Indicator support bracket excluded (to be combined with DFWXCL or 3590CL).	•		•																		**TCBI700-2**	
	AISI 304 stainless steel column, h = 900 mm, Ø 38 mm. Painted steel base 350 x 350 mm.	•																				**CLD-900**	
	AISI 304 stainless steel column, h = 900mm, Ø 38 mm. 450 x 450 mm stainless steel base.	•																				**CLI-900**	
	AISI 316 stainless steel column h = 350 mm, for integrated installation with DFWX-HGX indicators. Easy-to-clean construction with a fifth support foot for greater stability and carrying handle. Note: The length of the cell cable is reduced to 1 metre.		•																			**HGXCL-350**	

Floor columns

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	AISI 316 stainless steel column h = 500 mm, for integrated installation with DFWX-HGX indicators. Easy-to-clean construction with a fifth support foot for greater stability and carrying handle. Note: The length of the cell cable is reduced to 1 metre.		•																			**HGXCL-500**	

ATEX 2GD push-button panel

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Armoured cable 4x0.5 mm² (suitable for Ex zones). Inner sheath in PVC. Armour: galvanised steel wire braid. External sheath in PVC, diameter 7.3 mm.				•											•	•	•	•	•		**EXACB4** S6	
	EX 2GD push-button panel with 2 buttons and cable gland (optional connection cable). Protection: II 2G Ex db eb IIC T6 Gb for gas, II 2D Ex tb IIIC T80 °C Db for dust.				•											•	•	•		•		**EXPHBN**	

DINI ARGEO | *The information in this document may be subject to change without notice.*

Other options

	Description	DFWX	DFWX HYGIENX®	DFWXS	DFWIECEXBATCH1	DFWL	DFWLB	DFWPM	DFWLI	DFWXP	DFWR	DFWT	DFWKR	DFWDXT	DFWKXT	DFW IECEX	DFWATEX	DFWATEX2GDF	DFWIECEX3GD	DFWATEX3GD	DFWK HYGIENX®	Code	
	Technical support by telephone upon request.					•	•		•	•	•	•		•	•		•	•	•	•	•	**TECSUP**	
	Printed technical manual (downloadable for free from the website).					•	•		•	•	•	•	•	•	•			•			•	**TECMAN**	
	Printed user manual (downloadable for free from the website, in the “DOCUMENTS” section on the Home Page, by entering the product serial number).					•	•		•	•	•	•	•	•	•			•			•	**UMAN**	
	EU Declaration of Conformity, EU verification certificate, test certificate and metrology booklet, in printed format (downloadable for free from the website, available only for CE-M approved scales). € NET.				•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	**ECEMDOC**	
	Valve for regulating humidity and pressure inside the case. Recommended for IP68 applications.								•					•	•							**VENT** S1	
	Valve for regulating humidity and pressure inside the case. Recommended for IP68 applications.																•	•				**VENTX** S1	

DINI ARGEO

INDUSTRIAL PCS
6116 SERIES

The 6116 series of Dini Argeo industrial PCs, ideal for harsh industrial environments, features a touchscreen display and enables loading any weighing program for advanced systems.

With the MCI Myrias software program, standard and customised software solutions can be provided to meet all weighing needs, such as: offline sampling, dynamic and manual checkweighing, truck weighing, pallet weighing, traceability, recipe, data manager, belt weighing and stock control.

In addition to weighing, dosing, totalisation and formulation functions, the 6116 range has two important aspects, namely PC-controlled weighing and PLC-controlled weighing and filling.

6116 SERIES

		6116EVO	6116EVOBOX
PLUS	Thermal printer	O	●
	RFID reader	O	●
COMMUNICATION	Multi-language program	●	●
	Serial ports	-	● (x2) RS232 ● (x1) RS485/RS422 **
	USB ports	● (x2) 3.1 Type A, internal *** ● (x2) 2.0 Type A, panel	● (x2)
	TCP/IP Ethernet	●	●
	SD memory	O	O
	Wi-Fi	O	-
IN/OUT	Inputs	● (x2) *	O
	Outputs	● (x2) *	O
HARDWARE	Case	AISI 304 stainless steel	AISI 304 stainless steel
	Dimensions	375x327x65 mm	474x656x400 mm
	Touchscreen display	●	●
	Max display brightness	800 nits	1000 nits
	Processor	High-performance Intel 4 core	Intel Celeron N2930 QuadCore 64bit
	Operating system	Windows 10 IoT	Windows 10 IoT Enterprise LTSC
	RAM memory	DDR3L, 8 Gb	DDR3L, 4 Gb
	SSD	mSATA, 64 Gb	SATA III, 128 Gb
	IP rating	IP67	IP54
	Power supply	110-240 Vac	110-240 Vac
	Adjustable tilt bracket	●	-
OIML	Connectable scales	4 *	O
	No. connectable load cells	up to 16 x 350 Ω cells *	O

LEGEND: ● Standard O Optional - Not available

** 6116EVO4X and 6116EVO4XKB versions*
*** Replaces one RS232 port*
**** x1 in versions 6116EVO4X and 6116EVO4XKB*

DINI ARGEO
The information in this document may be subject to change without notice.

6116EVO

PC WITH 10.1" TOUCHSCREEN DISPLAY

Rugged and durable industrial touchscreen PC in AISI 304 stainless steel with IP67 protection rating, designed for advanced and harsh industrial environments. Featuring the latest Intel 4-core processor, it allows loading any weighing program developed on Windows 10 and can manage up to 4 scales.

AISI 304 STAINLESS STEEL

IP67

USB PORT

Version codes

	DESCRIPTION	CODE	
	High-performance industrial touchscreen PC, in IP67 stainless steel	**6116EVO-1**	
	High-performance industrial touchscreen PC, in IP67 stainless steel. Integrated high-speed 4-channel weighing board configurable exclusively from PC. NOTE: when used for type-approved applications, add the optional D-LEGAL program.	**6116EVO4X**	
	High-performance industrial touchscreen PC, in IP67 stainless steel. Integrated high-speed 4-channel weighing board configurable from PC and via keypad and display on rear panel.	**6116EVO4XKB**	

Why choose

Thanks to the Myrias PC software, you can create numerous weighing solutions:

- Dynamic checkweigher
- Truck scale and axle scale
- Pallet weighing
- Traceability
- Belt weighing
- Stock control
- Manual checkweigher
- Offline sampling
- Recipes
- Data Manager

Main features

VIRTUAL ALIBI MEMORY AND OPTIONAL API FOR THE DEVELOPMENT OF APPROVED PROGRAMS:

- The 6116EVO has two optional programs, designed to facilitate communication with the integrated electronic part of the scale via APIs and the saving of weighing data, also approved as legal for trade:
  - D-API: Software for internal use for saving weighing results and API libraries (cannot be combined with AF6116).
  - D-LEGAL: Type-approved software for saving weighing results and API libraries (cannot be combined with AF6116).

INTEGRATED MULTISCALE ELECTRONIC PART OF THE SCALE, CERTIFIABLE (6116EVO4X AND 6116EVO4XKB):

- Thanks to the integrated multi-channel electronic part of the scale, it is possible to:
  - Read the weight of one or more scales, up to 4.
  - Connect up to 4 load cells and read the equalised weight, in "digital equalisation box" mode.
- Connectable load cells (via junction box): up to 16 x 350 Ω.
- Selectable sampling speed, up to 2600 Hz single-channel, 200 Hz for 2 channels, or 90 Hz for 3-4 channels.
- Thanks to the type-approved D-LEGAL software, 6116EVO can be approved for legal-for-trade commercial applications.

AVAILABLE INPUTS/OUTPUTS:

	6116EVO-1	6116EVO4X	6116EVO4XKB
Internal USB 3.1 Type-A ports	2	1	1
Panel USB 2.0 ports	2	2	2
Internal Gigabit Ethernet port, 10/100/1000 Mbps	1	1	1
Gigabit-Ethernet RJ45 panel port, 10/100/1000 Mbpss	1	1	1
Internal VGA port	1	1	1
Internal HDMI port	1	1	1
Audio IN	1	1	1
Audio OUT	1	1	1
Digital inputs	1	2	2
Digital outputs	0	2	2
Scale inputs	0	4	4

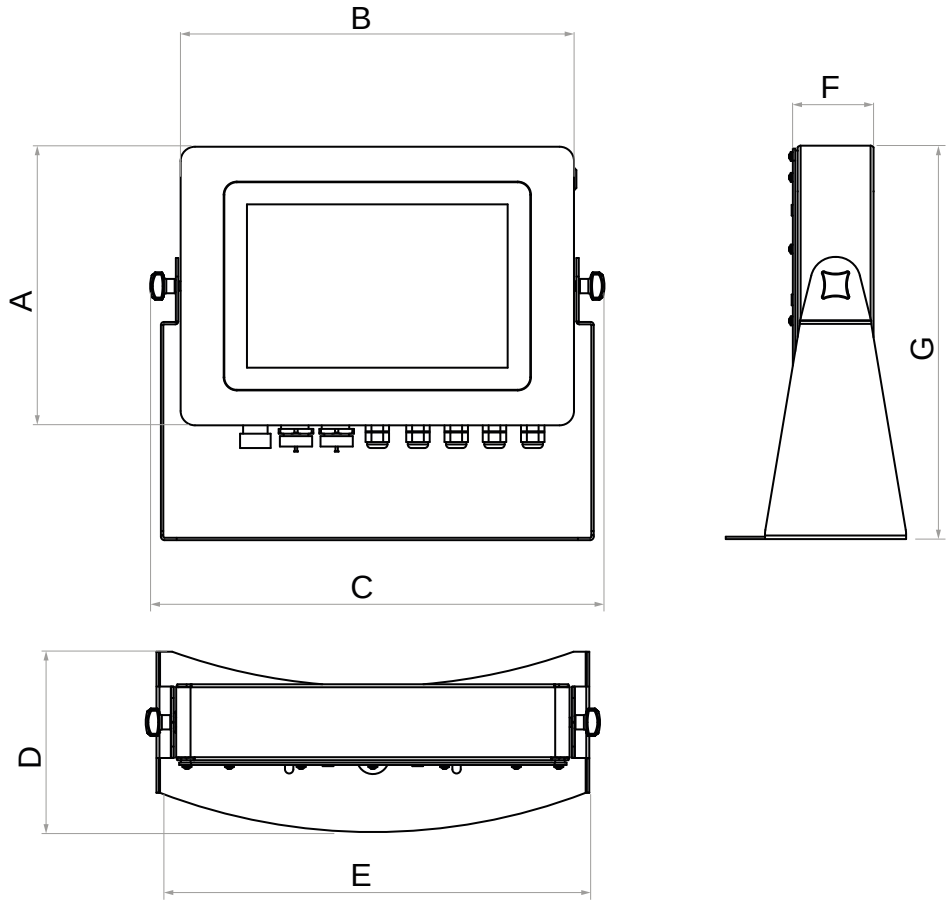
Technical features

Processor	High-performance Intel 4 core
Operating system	Windows 10 IoT
RAM memory	DDR3L, 8 Gb
SSD	mSATA, 64 Gb
Touchscreen display	●
Max display brightness	800 nits
DB9 serial ports	-
USB ports	● x2 3.1 Type A, internal (***) ● x2 2.0 Type A, panel
TCP/IP Ethernet	●
Dimensions	375x327x65 mm
SD memory	O
Wi-Fi	-
Thermal printer	-
RFID reader	-
Inputs	● x2 (*)
Outputs	● x2 (*)
Case	AISI 304 stainless steel
IP rating	IP67
Power supply	110-240 Vac
Multi-language program	●
Adjustable tilt bracket	●
Connectable scales	4 (*)
No. connectable load cells	up to 16 x 350 Ω cells (*)

(*) 6116EV04X and 6116EV04XKB versions
(***) x1 in versions 6116EV04X and 6116EV04XKB

DINI ARGEO
The information in this document may be subject to change without notice.

Technical drawing (mm)



Dimensions			
A	233 mm	**E**	362 mm
B	329 mm	**F**	67.5 mm
C	380 mm	**G**	329 mm
D	151 mm		

6116EVOBOX

PC WITH 10.1" TOUCHSCREEN DISPLAY

Interactive kiosk with 10.1-inch industrial PC ideal for self-service weighbridges, equipped with RFID card reader and printer to facilitate operator entry and exit. For efficient access management, the Myrias software can be integrated with the 6116EVO-BOX to record load data and empty vehicle weight, read vehicle and trailer identification data, weigh multi-axle vehicles and check the contents inventory.

STAINLESS STEEL

USB PORT

Version codes

	DESCRIPTION	CODE	
	Stainless steel column- or wall-mounted box with industrial PC, 10.1-inch touchscreen display and preinstalled Windows 10 operating system. Equipped with a thermal printer and RFID card reader.	**6116EVO-BOX-1**	

Why choose

- Waterproof, satin-finish, stainless steel case.
- High-brightness display for outdoor use.
- With thermal printer with cutter.
- Automatic internal temperature control system.
- Equipped with sun and weather protection shield for outdoor use.

Main features

VIRTUAL ALIBI MEMORY AND OPTIONAL API FOR THE DEVELOPMENT OF APPROVED PROGRAMS:

- The 6116EVO has two optional programs, designed to facilitate communication with the integrated electronic part of the scale via APIs and the saving of weighing data, also approved as legal for trade:
  - D-LEGAL: Type-approved software for saving weighing results and API libraries (cannot be combined with AF6116).
  - D-API: Software for internal use for saving weighing results and API libraries (cannot be combined with AF6116).

MAIN OPTIONS:

- Integrated electronic part of the scale, with digital inputs and outputs.
- Numeric or alphanumeric weight repeater.
- RFID cards.
- Ready for metric approval (only with integrated weight transmitter).
- Coin slot available on request (ask for quote).

AVAILABLE INPUTS/OUTPUTS:

- 2 USB 2.0 ports.
- 2 Gigabit-Ethernet ports, 10/100/1000 Mbps.
- 2 RS232 serial ports.

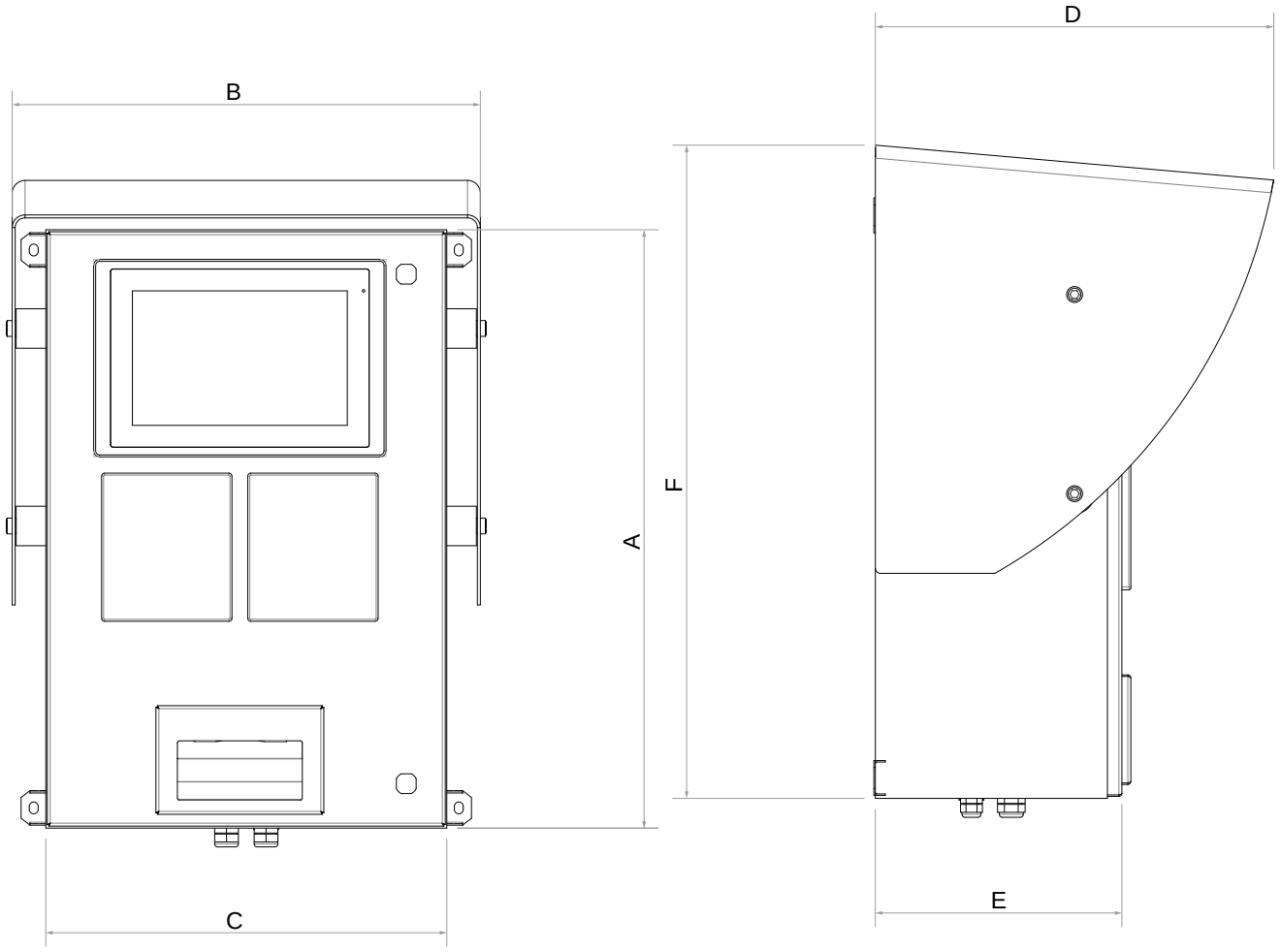
DINI ARGEO | *The information in this document may be subject to change without notice.*

Technical features

Processor	Intel Celeron N2930 QuadCore 64bit
Operating system	Windows 10 IoT Enterprise LTSC
RAM memory	DDR3L, 4 Gb
SSD	SATA III, 128 Gb
Touchscreen display	●
Max display brightness	1000 nits
DB9 serial ports	● x2 RS232 ● x1 RS485/RS422 (**)
USB ports	● x2
TCP/IP Ethernet	●
Dimensions	474x656x400 mm
SD memory	○
Wi-Fi	-
Thermal printer	●
RFID reader	●
Inputs	○
Outputs	○
Case	AISI 304 stainless steel
IP rating	IP54
Power supply	110-240 Vac
Multi-language program	●
Adjustable tilt bracket	-
Connectable scales	○
No. connectable load cells	○

(**) Replaces one RS232 port

Technical drawing (mm)



Dimensions			
A	606 mm	**D**	400 mm
B	474 mm	**E**	248 mm
C	406 mm	**F**	656 mm

DINI ARGEO
The information in this document may be subject to change without notice.

Notes

The information in this document may be subject to change without notice.

LIST OF MAIN

OPTIONS AND ACCESSORIES

6116 SERIES

DINI ARGEO

Main options and accessories

	Description	6116EVO	6116EVOBOX	Code	
	Protection circuit for 485 port, with case for installation on DIN rail. Protection according to IEC 1000-4-5/D (IEC 801-5/D).	•		**RS485PDIN**	
	Type-approved software for recording weighing results to a PC (virtual alibi function) with an integrated API library for interfacing with other software.	•	•	**D-LEGAL**	
	RS485 alphanumeric repeater with 110-mm multicolour LED display, stainless steel case, and IP68 protection rating.	•	•	**GLR100I**	
	Software for recording weighing results to a PC (for internal use) with an integrated API library for interfacing with other software.	•	•	**D-API**	
	Management of truck scales. Advanced weighing module.	•		**TRA-WBD**	

Approval

	Description	6116EVO	6116EVOBOX	Code	
	Welmec plates and module for a scale. Service available in combination with Dini Argeo indicator.	•	•	**KCEM**	

Connection cables

	Description	6116EVO	6116EVOBOX	Code	
	4-core shielded twisted pair cable (2x2x0.34 mm^2), for RS485 communication or analogue output. Inner sheath in polyolefin. Shielding with tinned copper braid. External sheath in PVC, diameter 7 mm.	•		**RSCBTW**	
	USB PC/RS485 converter cable, l=1.5 m. With PG9 metal cable gland.	•	•	**RSCBUSB485**	

Weight repeaters

	Description	6116EVO	6116EVOBOX	Code	
	Ex-works installation.		•	**S6**	
	Weight repeater with 100-mm LED display. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	•		**DGT100R-1**	

Consumables

	Description	6116EVO	6116EVOBOX	Code	
	Thermal paper roll, width: 80 mm. Hole: 25 mm. Outer diameter: 60 mm.	•		**RPT80SELF**	

Related transmitters/weight indicators

	Description	6116EVO	6116EVOBOX	Code	
	High-speed weight transmitter for DIN rail with 4 channels. 2 IN and 2 OUT. 5-key keypad, LED display.	•		**DGT4X**	
	Weight transmitter for DIN rail, with 2 IN and 4 OUT. 5-key keypad, LED display. Multifunctional weighing program.	•		**DGT1SX**	

Additional PG cable glands

	Description	6116EVO	6116EVOBOX	Code	
	Set of 10 PG9 metal cable glands for weight indicators. With ring nuts and seals.		•	**PG9M**	
	Kit of 10 metal expanders PG9 to PG11, IP68 (max. cable ø 12 mm)		•	**PG9PG11C**	
	Kit of 10 metal expanders PG9 to PG13, IP68 (max. cable ø 12 mm)		•	**PG9PG13C**	

DINI ARGEO | *The information in this document may be subject to change without notice.*

Optional power supply cables

	Description	6116EVO	6116EVOBOX	Code	
	Version with AU power cable.	•	•	**PWCORDAUS**	
	Version with SEV1011 power cable (CH plug).	•	•	**PWCORDCH**	
	Version with BS1363 power cable (UK plug).	•	•	**PWCORDUK**	
	Version with US type-B power cable (Japan, North and Central America).	•	•	**PWCORDUS**	

Other options

	Description	6116EVO	6116EVOBOX	Code	
	Set of 10 RFID cards for use with RFID reader.	•		**RFIDCARD**	
	Language pack service, for industrial PC 6116 (language of your choice).	•	•	**CNFLANG**	
	EU Declaration of Conformity, EU verification certificate, test certificate and metrology booklet, in printed format (downloadable for free from the website, available only for CE-M approved scales). € NET.		•	**ECEMDOC**	
	Technical support by telephone upon request.		•	**TECSUP**	
	AFxx Suite for PC 6116EVO4X / 6116EVO4XKB. Includes 5 AF applications (Weight Totalisation, Parts Counter, Vehicle Weighing, Statistical Checks, Industrial Pricing) selectable from the user interface.	•	•	**AF6116**	

DINI ARGEO

OTHER INSTRUMENTS
WEIGHT REPEATERS

The Dini Argeo range of repeaters meets all weight display needs, even from a considerable distance.
Each model stands out for its material, size, application and setting in which it can be used, depending on the connected indicator.

The typical application of repeaters is weighing/filling controlled by PLC.

WEIGHT REPEATERS

		GLR100	GLR100I	DGT100	DGT60 / DGT603GD	DFWPM
COMMUNICATION	**RS485 serial port**	● (x1)	● (x1)	● (x1)	● (x1)	-
	RS232 serial port	-	-	● (x1)	● (x1)	-
	Serial connection cable	● 10m	O	O	O	-
	USB connection for quick programming from PC with DINITOOLS	-	-	-	-	-
	Alibi memory	-	-	O	●	-
	Bluetooth	-	-	O	-	-
	2.4 GHz radio-frequency module	● *	O	O	O	●
	Bluetooth interface	-	-		-	-
IN/OUT	**Electronic outputs**	-	-	2	2	-
	Digital inputs	-	-	2	2	-
	Analogue output (0...5 Vdc, 0...10 Vdc, 0...20 mA, 4...20 mA)	-	-	-	-	-
HARDWARE	**Dimensions (mm) (L x H x W)**	835 x 190 x 50 mm	688 x 250 x 57 mm	433 x 205 x 202 mm	410 x 165 x 67 mm	173 x 98 x 54 mm
	Display	Red 110-mm LEDs	Red 110-mm LEDs	Red 100-mm LEDs	Red 60-mm LEDs	25-mm backlit LCD
	Keypad	-	-	5 keys, mechanical, waterproof	5 keys, mechanical, waterproof	5 keys, mechanical, waterproof
	Case	Painted steel	Stainless steel	Stainless steel	Stainless steel	ABS HANDY
	Power supply	110-240 Vac (internal power supply unit)	110-240 Vac (internal power supply unit)	110-240 Vac (internal power supply unit)	110-240 Vac (internal power supply unit)	Rechargeable battery
	Working temperature: Indoor use / CE-M / humidity	-	-	-20...+60 °C / -10...+40 °C / 85%	-	-
	IP rating	IP54	IP68	IP68	IP68	IP65

LEGEND: ● Standard O Optional - Not available

** only model GLR100-2G4*

GLR100

RGB SUPER-BRIGHT LED MATRIX DISPLAY

GLR100 alphanumeric weight repeater with RGB bright LED matrix, for easy large-digit weight display even over long distances.

OIML APPROVED

PAINTED STEEL

IP54

Version codes

	DESCRIPTION	CODE	
	RS485 alphanumeric repeater with multicolour 110-mm LED display. Complete with 10-m RS485 cable with IP67 connector.	**GLR100**	
	Radio alphanumeric repeater with multicolour 110-mm LED display.	**GLR100-2G4**	

Why choose

- RGB technology with control light function (yellow, red, green), synchronised with connected weight indicator.
- Painted steel casing with IP54 protection rating, for indoor or out-door use.
- Alphanumeric display board mode for displaying gross and tare weights, in the selected language.
- The GLR100 repeater also has on-demand features such as fully customisable messages, screen saver with date and time, and scrolling texts.
- Dimensions: 605x150 mm.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

COMMUNICATION PORTS:

- RS485 port for long-distance transmission (up to 1000 m) or radio transmission (up to 70 m indoor, 150 m outdoor). Combine with indicator with RS485 communication port or radio. RS485 cable with 10-m IP67 connector supplied as standard.

Technical features

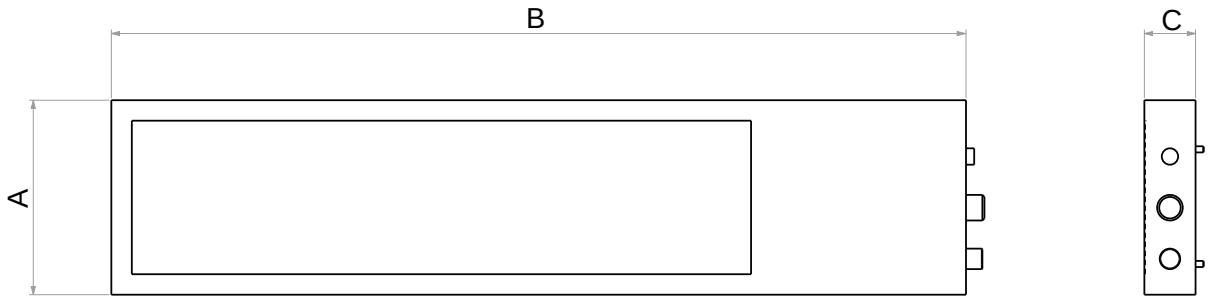
RS485 serial port	● x1
RS232 serial port	-
Serial connection cable	● 10m
USB connection for quick programming from PC with DINITOOLS	-
Alibi memory	-
Bluetooth	-
2.4 GHz radio-frequency module	● (*)
Electronic outputs	-
Digital inputs	-
Analogue output 0...5 Vdc, 0...10 Vdc, 0...20 mA, 4...20 mA	-
Bluetooth interface	-
Dimensions (mm) (LxHxW)	835 x 190 x 50 mm
Display	Red 110-mm LEDs
Keypad	-
Case	Painted steel
Power supply	110-240 Vac (internal power supply unit)
Working temperature: Indoor use / CE-M / Humidity	-
IP rating	IP54
Backlit LCD display	●
Specific display	-
Keypad	Mechanical
Case	AISI 316 stainless steel
IP rating	IP68 and IP69K

(*) Only model GLR100-2G4

Approvals

• Australian legal for trade certificate of approval (NMI S788)

Technical drawing (mm)



Dimensions			
A	190 mm	**C**	50 mm
B	835 mm		

GLR100I

RGB SUPER-BRIGHT LED MATRIX DISPLAY

Alphanumeric weight repeater in stainless steel with IP68 protection rating, suitable for outdoor use. For a clear and readable data display, even from a long distance, thanks to the RGB bright LED matrix display. Offers a variety of operation modes for every need.

STAINLESS STEEL

IP68

Version codes

	DESCRIPTION	CODE	
	RS485 alphanumeric repeater with 110-mm multicolour LED display, stainless steel case, and IP68 protection rating.	**GLR100I**	

Why choose

- 110-mm 6-digit weight repeater.
- Alphanumeric display board for displaying gross and tare weights, in the selected language.
- Colour management with control light function of data display (red, yellow, green), synchronised with the connected weight indicator.
- Option to customise messages, set screen saver with date and time, and scrolling texts upon request.

Main features

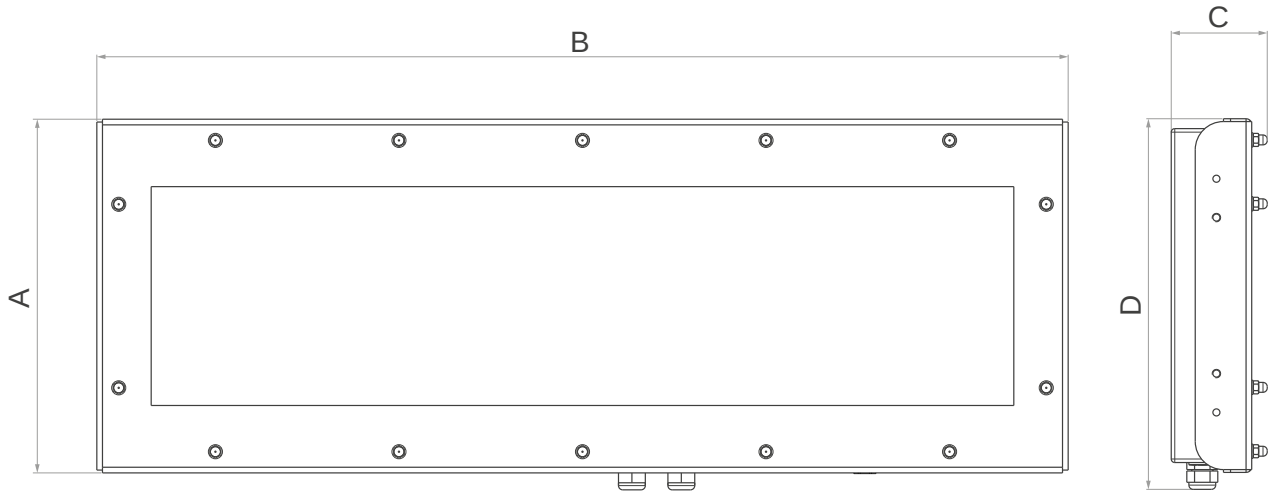
COMMUNICATION PORTS:

- RS485 port for long-distance transmission (up to 1000 m) or radio transmission (optional, up to 70 m indoor, 150 m outdoor). Combine with indicator with RS485 communication port or radio.

Technical features

RS485 serial port	● x1
RS232 serial port	-
Serial connection cable	○
USB connection for quick programming from PC with DINITOOLS	-
Alibi memory	-
Bluetooth	-
2.4 GHz radio-frequency module	○
Electronic outputs	-
Digital inputs	-
Analogue output 0...5 Vdc, 0...10 Vdc, 0...20 mA, 4...20 mA	-
Bluetooth interface	-
Dimensions (mm) (LxHxW)	688 x 250 x 57 mm
Display	Red, 110-mm LEDs
Keypad	-
Case	Stainless steel
Power supply	110-240 Vac (internal power supply unit)
Working temperature: Indoor use / CE-M / Humidity	-
IP rating	IP68

Technical drawing (mm)



Dimensions			
A	250.5 mm	**C**	68 mm
B	688 mm	**D**	262.5 mm

DINI ARGEO
The information in this document may be subject to change without notice.

DGT100

RGB SUPER-BRIGHT LED MATRIX DISPLAY

The DGT100 maxi weight repeater ensures excellent weight display outdoors, even from over 25 m distance, even in strong sunlight. With an AISI 304 stainless steel case with IP68 protection rating to withstand water and dust, and fixing bracket for wall-mount.

OIML APPROVED

AISI304 STAINLESS STEEL

IP68

UNIVERSAL BRACKET

Version codes

	DESCRIPTION	CODE	
	Weight indicator with 100-mm LED display. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	**DGT100BC-1**	
	Weight indicator with 100-mm LED display and analogue output. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	**DGT100AN-1**	
	Weight indicator with 100-mm LED display and Profibus module. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	**DGT100PB-1**	
	Weight repeater with 100-mm LED display. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	**DGT100R-1**	

Why choose

- High efficiency SMD bright LED matrix display.
- Brightness setting software from keypad.
- Anti-condensate valve as standard.
- Available in scale or weight repeater version.
- Up to 8 signal linearisation points with DINITOOLS.
- EU Type Examination Certificate (2014/31/EU), OIML R-76, OIML R-61 (MID), OIML R-51 (MID), Australian approval.

Main features

I/O SECTION:

- RS232 bidirectional port for connection to printer, PC, or other external units.
- RS485 bidirectional port for connection to PC, PLC, etc.
- PROFIBUS bidirectional port (Model DGT100PB).
- 2 MOSFET outputs, 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 2 inputs (optocouplers) 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (Model DGT100AN) optionally 4-20 mA, 0-5Vdc or 0-10 Vdc; maximum applicable load in current: 300 Ohm, minimum applicable resistance in voltage: 1 kohm.

FUNCTIONS:

- KEYPAD - Zeroing; Semi-automatic and presettable tare; Print and/or send data; Power-on/Stand-by.
- PROGRAM FUNCTIONS - Setpoint, high resolution, peak, alibi memory, unit conversion.
- EXTERNAL INPUTS - Key pressure simulation, keypad disabling.
- MOSFET OUTPUTS - Setpoints on weight, either positive (in loading) or negative (in unloading), or on pieces (counting mode), with programmable on/off thresholds, direct control or stability.
- SERIAL PORTS - On all models: Reading of net, gross, tare weight; Zeroing; Semi automatic and presettable tare; Scale change; Setting of output activation thresholds; Reading/Writing alibi memory. DGT100BC and DGT100AN models: Reading of microvolts or ADC converter for all channels; Message display; Printing; PMU setting in piece counting; Simulation of key pressure; MODBUS serial protocol.
- 16-bit ANALOGUE OUTPUT on DGT100AN Value proportional to net weight or gross weight, either in positive (in loading) or in negative (in unloading).

DGT100R REPEATER

- Version with dedicated program for using the indicator as universal weight repeater or multi-scale (MASTER) in combination with DFW/DGT/MCW.

OPERATING MODES:

- Multi-scale repeater (MASTER): mode for repeating up to 32 independent scales, with option to manage their functions, or viewing and printing the sum of the weights of all scales.
- UNIVERSAL weight repeater: mode for repeating the weight of any scale, via configuration of input string.

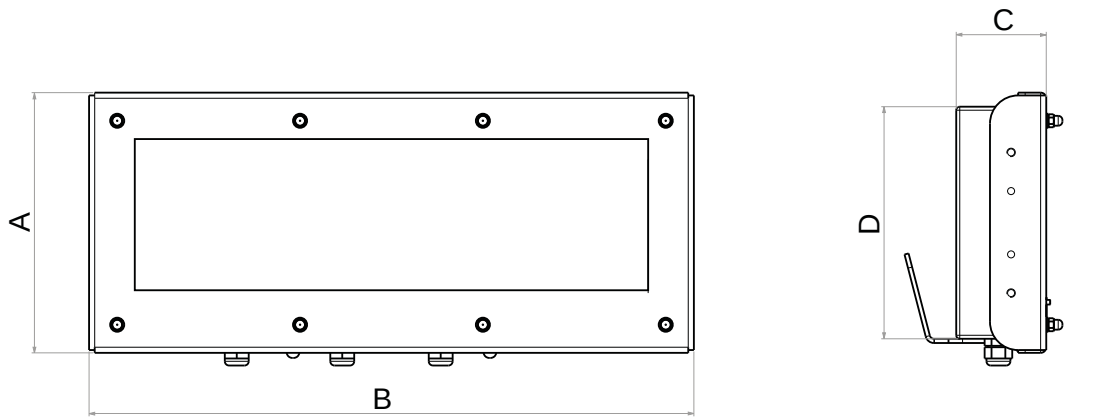
Technical features

RS485 serial port	● x1
RS232 serial port	● x1
Serial connection cable	○
USB connection for quick programming from PC with DINITOOLS	-
Alibi memory	○
Bluetooth	○
2.4 GHz radio-frequency module	○
Electronic outputs	2
Digital inputs	2
Analogue output (0...5 Vdc, 0...10 Vdc, 0...20 mA, 4...20 mA)	-
Bluetooth interface	
Dimensions (mm) (LxHxW)	433 x 205 x 202 mm
Display	Red 100-mm LEDs
Keypad	5 keys, mechanical, waterproof
Case	Stainless steel
Power supply	110-240 Vac (internal power supply unit)
Working temperature: Indoor use / CE-M / Humidity	-20...+60 °C / -10...+40 °C / 85%
IP rating	IP68

Approvals

- EC Type Examination Certificate (2014/31/EU)
- OIML R76
- OIML R61 - MID
- OIML R51
- Australian legal for trade certificate of approval (NMI S788)

Technical drawing (mm)



Dimensions			
A	185 mm	**C**	64 mm
B	430 mm	**D**	165 mm

DINI ARGEO
The information in this document may be subject to change without notice.

DGT60

LARGE RED LED MATRIX DISPLAY

Maxi weight repeater with large, high-intensity red LED display, sturdy and compact thanks to IP68 stainless steel case.
For viewing weights from any angle, even in strong sunlight.

OIML APPROVED | STAINLESS STEEL | IP68 | UNIVERSAL BRACKET

Version codes

	DESCRIPTION	CODE	
	Weight indicator with 60-mm LED display. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	**DGT60BC-1**	
	Weight repeater with 60-mm LED display. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure, and configurable protocol.	**DGT60R-1**	
	Weight indicator with 60-mm LED display and analogue output. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	**DGT60AN-1**	
	Weight indicator with 60-mm LED display and Profibus port. Housed in IP68 stainless steel, with a 5-key keypad and a valve for regulating humidity and pressure.	**DGT60PB-2**	

Why choose

- Waterproof 5-key functional keypad.
- Large, 6-digit, 60-mm display, visible from over 25 m distance.
- With fixing bracket for wall-mount.
- Available in scale or weight repeater version.
- With valve for regulating humidity and pressure inside indicator as standard.
- CE-M EN 45501, OIML R-76, OIML R-61 (MID), OIML R-51 (MID), Australian approval.

Main features

I/O SECTION:

- RS232 bidirectional port for connection to printer, PC, or other external units.
- RS485 bidirectional port for connection to PC, PLC, etc.
- PROFIBUS bidirectional port (Model DGT60PB).
- 2 MOSFET outputs, 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 2 inputs (optocouplers) 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (Model DGT60AN) optionally 4-20 mA, 0-5Vdc or 0-10 Vdc; maximum applicable load in current: 300 Ohm, minimum applicable resistance in voltage: 1 kohm.

DGT60BC / DGT60AN / DGT60PB FUNCTIONS:

- KEYPAD - Zeroing; Semi-automatic and presettable tare; Print and/or send data; Power-on/Stand-by.
- PROGRAM FUNCTIONS - Setpoint, high resolution, peak, alibi memory, unit conversion.
- EXTERNAL INPUTS - Key pressure simulation, keypad disabling.
- MOSFET OUTPUTS - Setpoints on weight, either positive (in loading) or negative (in unloading), or on pieces (counting mode), with programmable on/off thresholds, direct control or stability.
- SERIAL PORTS - On all models:
  Reading of net, gross, tare weight; Zeroing; Semi automatic and presettable tare; Scale change; Setting of output activation thresholds; Reading/Writing alibi memory.
  DGT100BC and DGT100AN models: Reading of microvolts or ADC converter for all channels; Message display; Printing; PMU setting in piece counting; Simulation of key pressure; MODBUS serial protocol.
- 16-bit ANALOGUE OUTPUT on DGT60AN - Value proportional to net weight or gross weight, either in positive (in loading) or in negative (in unloading).

DGT60R REPEATER

- Version with dedicated program for using the indicator as universal weight repeater or multi-scale (MASTER) in combination with DFW/DGT/MCW.

OPERATING MODES:

- Multi-scale repeater (MASTER): mode for repeating up to 32 independent scales, with option to manage their functions, or viewing and printing the sum of the weights of all scales.
- UNIVERSAL weight repeater: mode for repeating the weight of any scale, via configuration of input string.

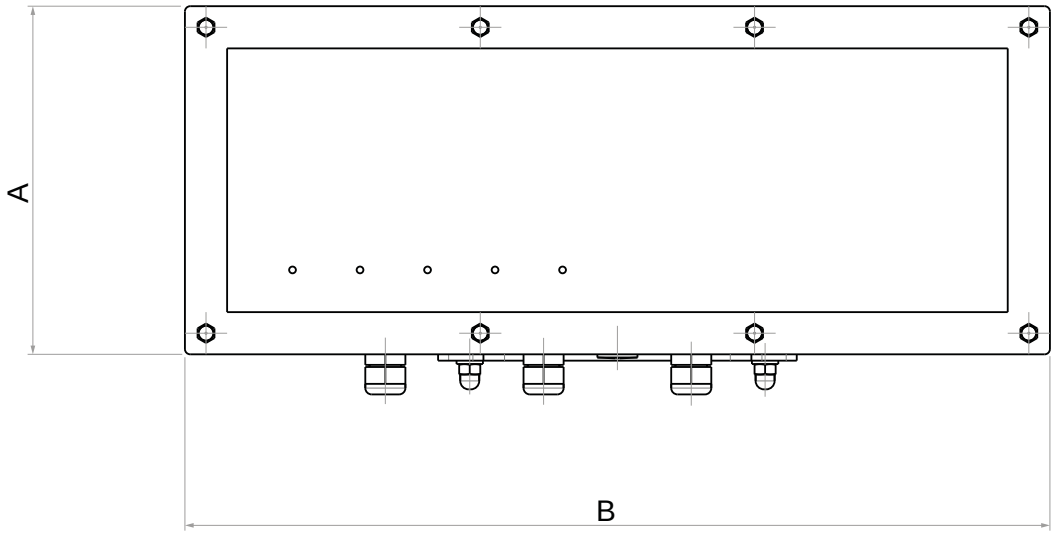
Technical features

RS485 serial port	● x1
RS232 serial port	● x1
Serial connection cable	○
USB connection for quick programming from PC with DINITOOLS	-
Alibi memory	●
Bluetooth	-
2.4 GHz radio-frequency module	○
Electronic outputs	2
Digital inputs	2
Analogue output 0...5 Vdc, 0...10 Vdc, 0...20 mA, 4...20 mA	4-20mA, 0-5 Vdc or 0-10 Vdc
Bluetooth interface	-
Dimensions (mm) (LxHxW)	410 x 165 x 67 mm
Display	Red 60-mm LEDs
Keypad	5 keys, mechanical, waterproof
Case	Stainless steel
Power supply	110-240 Vac (internal power supply unit)
Working temperature: Indoor use / CE-M / Humidity	-
IP rating	IP68

Approvals

- CE-M EN 45501
- OIML R76
- OIML R61 - MID
- OIML R51
- Australian legal for trade certificate of approval (NMI S788)

Technical drawing (mm)



Dimensions			
A	165 mm	**B**	410 mm

DINI ARGEO
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DGT603GD

LARGE RED LED MATRIX DISPLAY

Weight indicator/repeater in IP68 stainless steel, compact and sturdy, designed for areas at risk of explosion. For long-distance weight viewing, from over 25 m and from any angle, thanks to its large, red LED display with adjustable brightness.

OIML APPROVED | STAINLESS STEEL | IP68 | UNIVERSAL BRACKET | ATEX

Version codes

	DESCRIPTION	CODE	
	ATEX 3GD weight indicator with 60-mm LED display. Housing in IP68 stainless steel, 5-key keypad. Protection rating: ATEX II 3G Ex nR IIC T6 Gc X and ATEX II 3D Ex tc IIIC T85 °C Dc IP68 X. Supplied with printed safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DGT60BC3GD-1**	
	ATEX 3GD weight indicator with 60-mm LED display and analogue output. Housing in IP68 stainless steel, 5-key keypad. Protection rating: ATEX II 3G Ex nR IIC T6 Gc X and ATEX II 3D Ex tc IIIC T85 °C Dc IP68 X. Supplied with printed safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DGT60AN3GD-1**	
	ATEX 3GD weight indicator with 60-mm LED display and Profibus. Housing in IP68 stainless steel, 5-key keypad. Protection rating: ATEX II 3G Ex nR IIC T6 Gc X and ATEX II 3D Ex tc IIIC T85 °C Dc IP68 X. Supplied with printed safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DGT60PB3GD-2**	
	ATEX 3GD weight repeater with 60-mm LED display. Housing in IP68 stainless steel, 5-key keypad. Protection rating: ATEX II 3G Ex nR IIC T6 Gc X and ATEX II 3D Ex tc IIIC T85 °C Dc IP68 X. Supplied with printed safety instructions and ATEX EU Declaration of Conformity (EN, DE, FR, ES and IT).	**DGT60R3GD-2**	

Why choose

- Waterproof 5-key functional keypad.
- With fixing bracket for wall-mount.
- Up to 8 signal linearisation points with DINITOOLS.
- Available in scale or weight repeater version.
- Manages up to 4 cells with digital equalisation, or up to 4 independent weighing systems.
- With valve for regulating humidity and pressure inside indicator as standard.
- CE-M certifiable (OIML R-76 / EN 45501).

Main features

I/O SECTION:

- RS232 bidirectional port for connection to printer, PC, or other external units.
- RS485 bidirectional port for connection to PC, PLC, etc.
- PROFIBUS bidirectional port (Model DGT60PB3GD).
- 2 MOSFET outputs, 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 2 inputs (optocouplers) 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (Model DGT60AN3GD) optionally 4-20 mA, 0-5Vdc or 0-10 Vdc; maximum applicable load in current: 300 Ohm, minimum applicable resistance in voltage: 1 kohm.

DGT60BC3GD / DGT60AN3GD / DGT60PB3GD FUNCTIONS:

- KEYPAD - Zero; Semi-automatic and presettable tare; Print and/or Send Data; Power-on/Stand-by.
- SELECTABLE - High-resolution display x 10; Net/gross or conversion lb/kg; Weight totalisation; Formulation; Approved weight transmission to PC/PLC (with ALMEM alibi memory option); Piece-counting; Input/Output; Hold and Peak.
- EXTERNAL INPUTS - Key pressure simulation, keypad disabling.
- MOSFET OUTPUTS - Setpoints on weight, either positive (in loading) or negative (in unloading), or on pieces (counting mode), with programmable on/off thresholds, direct control or stability.
- SERIAL PORTS - On all models: Reading of net, gross, tare weight; Zero; Semi-automatic and presettable tare; Scale change; Setting of output activation thresholds; Reading/Writing alibi memory. DGT60BC3GD and DGT60AN3GD models: Reading of microvolts or ADC converter for all channels; Message display; Printing; PMU setting in piece counting; Simulation of key pressure; MODBUS serial protocol.
- 16-bit ANALOGUE OUTPUT on DGT60AN3GD - Value proportional to net weight or gross weight, either in positive (loading) or in negative (unloading).

DGT60R3GD REPEATER

- Version with dedicated program for using the indicator as universal weight repeater or multi-scale (MASTER) in combination with DFW/DGT/MCW.

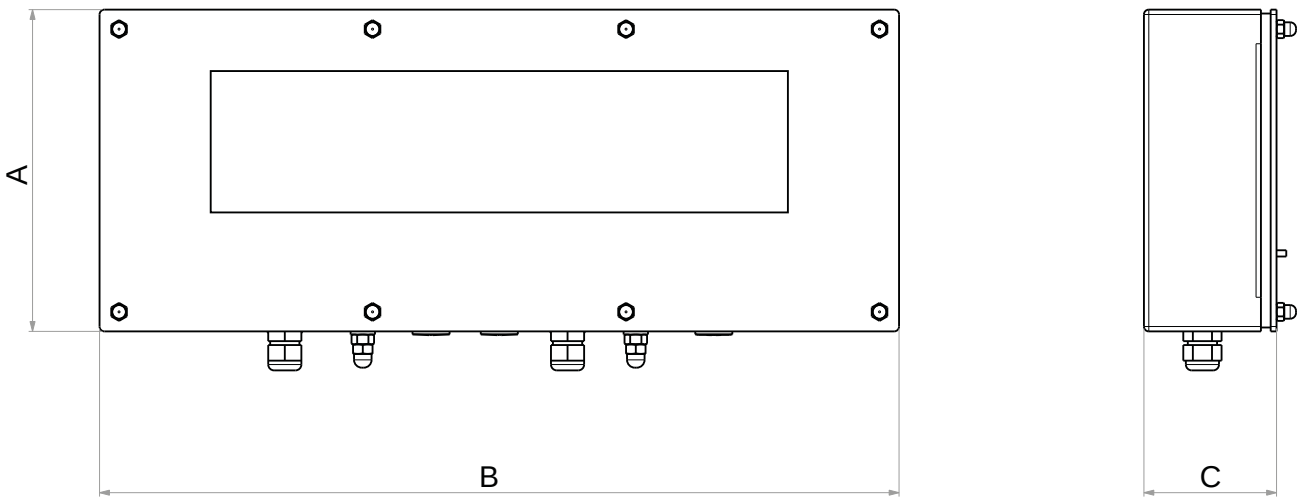
OPERATING MODES:

- Multi-scale repeater (MASTER): mode for repeating up to 32 independent scales, with option to manage their functions, or viewing and printing the sum of the weights of all scales.
- UNIVERSAL weight repeater: mode for repeating the weight of any scale, via configuration of input string.

Technical features

RS485 serial port	● x1
RS232 serial port	● x1
Serial connection cable	○
USB connection for quick programming from PC with DINITOOLS	-
Alibi memory	●
Bluetooth	-
2.4 GHz radio-frequency module	○
Electronic outputs	2
Digital inputs	2
Analogue output 0...5 Vdc, 0...10 Vdc, 0...20 mA, 4...20 mA	4-20mA, 0-5Vdc or 0-10Vdc
Bluetooth interface	-
Dimensions (mm) (LxHxW)	410 x 165 x 67 mm
Display	Red 60-mm LEDs
Keypad	5 keys, mechanical, waterproof
Case	Stainless steel
Power supply	110-240 Vac (internal power supply unit)
Working temperature: Indoor use / CE-M / Humidity	-
IP rating	IP68

Technical drawing (mm)



Dimensions			
A	165 mm	**C**	68 mm
B	410 mm		

DINI ARGEO | *The information in this document may be subject to change without notice.*

DFWPM

LARGE BACKLIT LCD DISPLAY

Remote control and weight repeater in 2.4 GHz frequency to be combined with DFW series weight indicators, or MCW series dynamometers. Thanks to the DFWPM weight repeater, it is possible to remotely manage the main functions of the associated weight indicator or dynamometer, such as the storage and transmission of weighs to the PC.

ABS
ABS

IP65
IP65

USB PORT

Version codes

	DESCRIPTION	CODE	
	Wireless, portable weight repeater with container in ABS, 5-key keypad, and backlit LCD display. Integrated 2.4 GHz radio-frequency module.	**DFWPM2G4**	
	Portable radio-frequency weight repeater, with container in ABS, 5-key keypad, backlit LCD display, mini USB port, and memory for storing weighing data as standard.	**DFWPM2G4-USB**	

Why choose

- Case in ABS with IP65 protection rating.
- Compact and lightweight, easy to carry and wash.
- Large-digit, backlit LCD display for clear view of weight.
- Fitted as standard with long-life rechargeable battery.
- Memory for storing weighing data.

Main features

FUNCTIONS:

- Viewing weight, all messages from selected scale/dynamometer, and all metrological/functional icons from a distance.
- Remote management of functions of displayed scale: zero, tare, print, operating mode on/off and power-off.

ADDITIONAL FUNCTIONS FOR MODEL DFWPM2G4-USB:

- Save 500 weighings for internal use, carried out on one or more scales/dynamometers (weight of individual scale or sum).
- Connection to PC via USB port for reading list of weights via Weigh Console program, or via dedicated serial communication protocol.
- Saving 250 weighings for legal-for-trade use, carried out on a scale/dynamometer fitted with alibi memory.

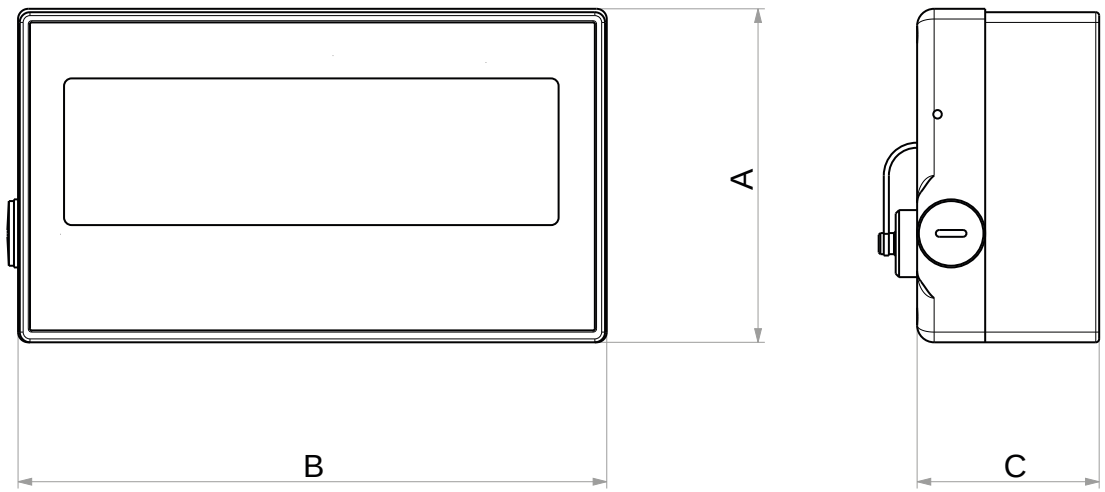
SERIAL PORTS:

- Integrated 2.4 GHz modem radio, with 39 different frequency channels, easily programmable from PC, for communication with indicator, scale and dynamometers.
- USB port (as standard for model DFWPM2G4-USB) for quick connection to PC.
- Infrared receiver for remote control operation.
- 16-bit analogue output (Model DGT60AN3GD) optionally 4-20 mA, 0-5Vdc or 0-10 Vdc; maximum applicable load in current: 300 Ohm, minimum applicable resistance in voltage: 1 kohm.

Technical features

RS485 serial port	-
RS232 serial port	-
Serial connection cable	-
USB connection for quick programming from PC with DINITOOLS	-
Alibi memory	-
Bluetooth	-
2.4 GHz radio-frequency module	●
Electronic outputs	-
Digital inputs	-
Analogue output (0...5 Vdc, 0...10 Vdc, 0...20 mA, 4...20 mA)	-
Bluetooth interface	-
Dimensions (mm) (LxHxW)	173 x 98 x 54 mm
Display	25-mm backlit LCD
Keypad	5 keys, mechanical, waterproof
Case	ABS
Power supply	Rechargeable battery
Working temperature: Indoor use / CE-M / Humidity	-
IP rating	IP65

Technical drawing (mm)



Dimensions			
A	98 mm	**C**	54 mm
B	174 mm		

DINI ARGEO | *The information in this document may be subject to change without notice.*

Notes

LIST OF MAIN

OPTIONS AND ACCESSORIES

REPEATERS

Main options and accessories

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code
	Version with AU battery charger.						•	**AUS-V4**
	Version with UK battery charger.						•	**UK-V4**
	Version with US battery charger.						•	**US-V4**
	Protection circuit for 485 port, with case for installation on DIN rail. Protection according to IEC 1000-4-5/D (IEC 801-5/D).			•	•			**RS485PDIN**
	Kit of 10 metal expanders PG9 to PG11, IP68 (max. cable ø 12 mm)			•	•			**PG9PG11C**
	Kit of 10 metal expanders PG9 to PG13, IP68 (max. cable ø 12 mm)			•	•			**PG9PG13C**
	Installation of the ZBA1S / PFB485EX Zener barrier inside the indicator case.			•	•	•		**ZBINST**
	Weight indicator, for bench/panel, with 2 IN and 2 OUT. Housing in stainless steel, 5-key keypad, LED display, and standard weighing program. With external 110-230 Vac - 12 Vdc power supply unit and IP68 connector.	•						**DGT20I-1**
	Weight indicator, for bench/panel, with 2 IN and 2 OUT. Housing in stainless steel, 5-key keypad, LED display, and standard weighing program. With internal 110/220 Vac power supply unit.		•					**DGT20IPW**
	Pole-mount support bracket, adjustable. In painted steel.	•						**GLR100P**
	Wall-mount support bracket, adjustable and tiltable. In painted steel.	•						**GLR100S**
	ETHCBEX cable with cable gland and connectors. Length: 10 m.					•		**ETHCBEX10M** S3
	Indicator with AF01 program and external power supply unit. Does not include internal battery, RJ45 port, cable glands and plugs. No factory-installed options or calibration and approval services.	•	•					**3590E**
	Protective barrier for RS485, for direct connection in safe area. Max cable length: 200 m.			•	•	•		**PFB485EX**
	Intrinsically safe Zener barrier with three channels. Specific for connection to load cells, for mounting on DIN rail in safe area or explosion-proof enclosure.			•	•	•		**ZBA1S**
	8-inch touchscreen indicator with IP68 stainless steel housing. Version with adjustable tilt, bracket for installation on bench or wall. Internal Ethernet port as standard. Standard AF01 program.	•	•					**3590EGT8-1**
	Touchscreen indicator with IP68 stainless steel housing. Version with adjustable tilt, bracket for installation on bench or wall. Standard AF01 program.	•	•					**3590EGTT**

Junction boxes / Junction boards - Cell cables

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	LCCBC cable + 10-m extension.			•	•			**LCCB10C**	S1
	LCCBC cable + 5-m extension.			•	•			**LCCB5C**	S1
	Shielded cable 6x0.25 mm^2 (suitable for Ex zones). Inner sheath in PVC. Shielding with tinned copper braid. External sheath in PVC, diameter 5.8 mm.			•	•	•		**LCCB**	
	Cable for connection of platform to indicator, l=50 cm. Female connector, solder type.			•	•			**LCCBC**	S1

Approval

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code
	Approved for Australia, for individual platform/scale.			•	•			**ECEM-AU**
	Welmec plates and module for a scale. NET PRICE. Service available in combination with Dini Argeo indicator.			•	•	•		**KCEM**

Columns, support brackets, shields

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code
	Kit with 2 stainless steel brackets for ceiling- or wall-mount.		•	•				**DGT100S**
	AISI 304 stainless steel bracket, adjustable tilt. For mounting weight indicator on wall.			•	•	•		**STFR-1**
	Solidly connected stainless steel shield. Protects against sun and rain and improves indicator visibility.			•				**DGT100V**
	Solidly connected stainless steel shield. Protects against sun and rain and improves indicator visibility.		•					**GLR100IV**

DINI ARGEO | *The information in this document may be subject to change without notice.*

Communication interfaces

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	RS485 bidirectional ports for DFW series.	•	•					**DF485**	S1
	Internal RS485 interface (assembly and cable gland not included).	•	•					**RS485C**	S1
	Internal opto-isolated RS485 interface (assembly and cable gland not included).	•	•					**RS485OPTO**	S1
	Alibi memory (fiscal memory, max. 120,000 weighings) for approved weight transmission to PC/PLC or storage on MMC/USB. Integrated calendar/clock for printing the date/time with PCB, terminals, plastic box and labels with UL marking.			•	•	•		**ALMEM-1**	S1
	External 2.4 GHz radio module for PC, with USB cable l=1 m. Power supply direct from USB port. Maximum operating distance in suitable environmental and installation conditions: 45 m indoor, 140 outdoor. 39 configurable channels.			•	•			**OBRF2G4-USB**	
	2.4 GHz radio-frequency module with TTL port. Maximum operating distance in suitable environmental and installation conditions: 45 m indoor, 140 m outdoor.		•					**RF2G4-TTL**	S1
	2.4 GHz radio-frequency module for ATEX zones 2 & 22. Protection case in IP66 ABS, armoured 3-m cable, and power supply from indicator.					•		**OBRF2G4-3GD**	S6
	External 2.4 GHz radio module, with cable l=3 m. Case in IP65 ABS, powered from indicator. Maximum distance in suitable environmental and installation conditions: 45 m indoor, 140 m outdoor. 39 configurable channels.	•		•	•			**OBRF2G4**	S1
	RS232 / RS485 / Ethernet converter. Modbus RTU / Modbus TCP/IP (if compatible). Can be connected to Dini Argeo weight indicators via serial port. Container in ABS for DIN rail with PCB, terminals, plastic box and labels with UL marking (if included).			•	•			**SETHDIN-1**	
	Internal WiFi interface. For wireless connection (via access point) to the company computer system.			•	•			**WIFITPWLK-2**	S1
	Internal Ethernet interface. 10-100 Mbps speed, TCP, UDP, IP, ARP, ICMP protocols, Ethernet Mac.			•	•	•		**ETHD**	S1

Calendar Clock / Date & Time

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	Calendar clock for printing/displaying the date and time with PCB, terminals, plastic box and labels with UL marking (if included).			•	•	•		**DFCLK**	S1

Connection cables

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	RS232 cable l=1.5 m with PG9 and wires for terminal block.			•	•			**RSCBPC**	S1
	4-core shielded twisted pair cable (2x2x0.34 mm^2), for RS485 communication or analogue output. Inner sheath in polyolefin. Shielding with tinned copper braid. External sheath in PVC, diameter 7 mm.		•	•	•	•		**RSCBTW**	
	Ethernet cable, l=1.5 m. With cable gland, for connection between indicator and PC network.			•	•			**ETHCBRJ**	S1
	USB PC/RS232 converter cable, l=1.5 m. USB/RJ11 connector.			•				**RSCBUSB-1**	
	USB PC/RS232 converter cable, l=1.5 m, with PG9. USB/RJ11 connector. For connection to weight indicators with IP65, IP68 and IP69K rating.				•			**RSCBUSBPG**	S1
	Multi-core cable (4x2xAWG24) suitable for Ethernet connections in Ex zones (connectors and cable gland only installed with S6 service). First shielding: aluminium/polyester foil, second shielding: tinned copper braid (coverage ≥ 85% - EMC 89/336). External sheath in PVC, diameter 6.3 mm.					•		**ETHCBEX**	S6
	RS232 cable l=10 m. For connecting indicator to weight repeater, without connectors.			•	•			**RSCB10**	S1
	RS232 cable l=5 m. For connecting indicator to weight repeater, without connectors.			•	•			**RSCB5**	S1

Main connectable weight indicators

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	17-key indicator. Housing in IP65 ABS. Backlit LCD display.	•	•					**DFWKXP**	

Related transmitters/weight indicators

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	Weight transmitter for DIN rail, with 2 IN and 2 OUT. 5-key keypad, LED display. Multifunctional weighing program.		•					**DGT1S**	

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Options for ATEX installations

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	ATEX equalised junction box in IP67 ABS, for max. 4 cells. 4 + 1 cable gland. Protection rating: ATEX II 2G Ex ib IIC T6 Gb for gas, ATEX II 2D Ex tb IIIC T115 °C Db IP65 for dust.			•				**JB4QA**	
	ATEX equalised junction box, IP66 stainless steel, up to 4 cells. 4 + 1 cable gland. Marking: ATEX II 2G Ex ib IIC T6 Gb for gas, ATEX II 2D Ex tb IIIC T115 °C Db IP65 for dust.			•				**JB4QAI**	
	ATEX Zener 3 barrier kit for load cells, in ABS box. For max. 4 x 350 ohm cells, for intrinsically safe weighing systems in hazardous area.			•	•			**KMB4-1**	
	ATEX box kit in ABS, with ZBA1S barrier for load cells. For intrinsically safe weighing systems in hazardous area. Dimensions: 179x359x166.5 mm.			•	•			**KZBA-1**	
	Blue shielded cable 6x0.22 mm², only for EX i assemblies (2GD). Inner sheath in PVC. Shielding with tinned copper braid. External sheath in polyurethane, diameter 5.8 mm. Working temperature: -40 / +80 °C. Minimum bend radius >/= 7 x O.D. €/m			•				**EXCB6**	S6
	ATEX Declaration for equipment for system with Dini Argeo Zener barriers. Type: Ex II 2G IIC T6 Gb X and Ex II 2D IIIC T125 °C Db X, with respective label for assembly, for weight indicator connected to Dini Argeo Zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX). Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN and IT).			•	•			**DCATEXMB4**	
	ATEX Declaration of Conformity for equipment. Type: Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115 °C Dc X, with respective label for assembly, for Dini Argeo ATEX-certified or NON-certified indicator (in the latter case, install in safe zone), connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX or CCATEX3GD). Supplied with printed document describing assembly and ATEX Declaration of Conformity for equipment (EN, DE, FR, ES and IT).					•		**DCATEX3GD**	

Remote controls

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	Radio-frequency remote control and receiver. Specifically for DGT60/DGT100.			•	•			**TLRD**	S1

PG cable glands

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	Set of 10 PG9 metal cable glands for weight indicators. With ring nuts and seals.			•	•			**PG9M**	
	Set of 10 PG9 metal cable glands for ATEX indicators. With ring nuts and seals. Cable diameter: 4 to 8 mm.					•		**PG9EX**	

Optional power supply cables

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	Version with AU power cable.		•	•	•			**PWCORDAUS**	
	Version with SEV1011 power cable (CH plug).		•	•	•			**PWCORDCH**	
	Version with BS1363 power cable (UK plug).		•	•	•			**PWCORDUK**	
	Version with US type-B power cable (Japan, North and Central America).		•	•	•			**PWCORDUS**	

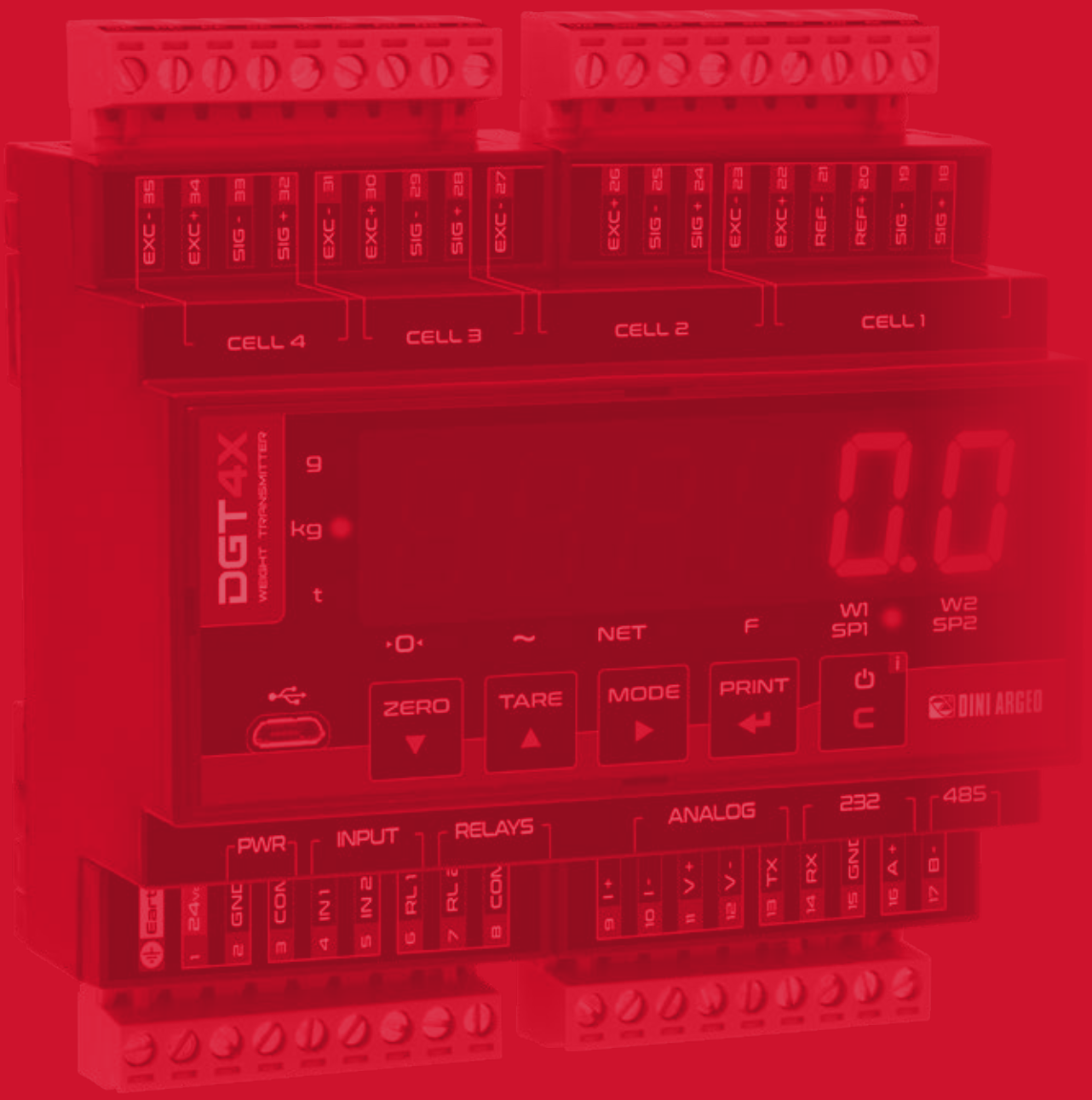
Other options

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	Technical support by telephone upon request.			•	•	•		**TECSUP**	
	Printed technical manual (free download from the website).			•	•			**TECMAN**	
	Printed user manual (downloadable for free from the website, in the “DOCUMENTS” section in the Home Page, by entering the product serial number).			•	•			**UMAN**	
	EU Declaration of Conformity, EU verification certificate, test certificate and metrology booklet, in printed format (free download from the website, available only for CE-M approved scales). € NET.			•	•	•		**ECEMDOC**	

Remote controls

	Description	GLR100	GLR100I	DGT100	DGT60	DGT603GD	DFWPM	Code	
	Armoured cable 4x0.5 mm^2 (suitable for Ex zones). Inner sheath in PVC. Armour: galvanised steel wire braid. External sheath in PVC, diameter 7.3 mm.					•		**EXACB4**	

Notes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DINI ARGEO
CELL 4
CELL 3
CELL 2
CELL 1
PWR
INPUT
RELAYS
ANALOG
232
485

DINI ARGEO

OTHER INSTRUMENTS
WEIGHT TRANSMITTERS

For over 20 years, Dini Argeo has been designing and manufacturing weight transmitters that stand out for their reliability and reading accuracy in automated industrial weighing systems.

Our DGT series is made up of two major categories: high-speed weight transmitters, and safety and control weight transmitters.

For a complete overview, see the catalog "LOAD CELLS AND WEIGHT TRANSMITTERS" at **www.diniargeo.com**

WEIGHT TRANSMITTERS

High-speed weight transmitters for industrial processes and automation

These weight transmitters are designed for use in applications where a very high sampling rate is required to weigh with extreme precision in fractions of a second.

IDEAL FOR:

Belt weighing, dosing and micro-dosing, in-line filling and process control.

ERROR DISCONNECTED CELL | OIML APPROVED | SUPER FAST UP TO 4,800 Hz | USB PORT | WEB SERVER | JBOX MODE | UP TO 4 SCALES | XSPEED TOOL FREE DOWNLOAD

	DGT1SX	DGT1SX CHECK	DGT4X	DGT4X DIGITAL
Number of scales / channels	1	1	Up to 4	Up to 1
Conversion speed	Up to **4,800 Hz**	Up to **4,800 Hz**	Up to **2,600 Hz**	Up to **1,600 Hz**
Web server	●	●	●	●
Integrated fieldbus	●	●	●	●
Modbus RTU	●	●	●	●
RS485	●	●	●	●
RS232	-	-	●	●
USB	●	●	●	●
Digital I/O	●	●	●	●
Analogue output	●	●	●	●
Casing	ABS	ABS	ABS	ABS
Electric certifications – **UL Listed**	Upon request	Upon request	Upon request	Upon request
Metrological certifications – **OIML R61 MID**	●	●	●	-
Metrological certifications – **OIML R51**	●	●	●	-
Metrological certifications – **OIML R76**	●	●	●	●
Metrological certifications – **EC Type Examination Certificate**	●	●	●	●

LEGEND: ● As standard - Not available

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For over 20 years, Dini Argeo has been designing and manufacturing weight transmitters that stand out for their reliability and reading accuracy in automated industrial weighing systems.

Our DGT series is made up of two major categories: high-speed weight transmitters and safety and control weight transmitters.

Safety and control weight transmitters

These transmitters are the most convenient and cost-effective solution for weight monitoring and control applications in industrial processes.

IDEAL FOR:

Silos, hoppers, rollers and low speed belts.

ERROR DISCONNECTED CELL | OIML APPROVED | USB PORT | WEB SERVER | UP TO 4 SCALES | XSPEED TOOL FREE DOWNLOAD

		DGT1S PLUS	DGT1S	DGT1	DGT4	DGT1P	DGTP	DGTQ	DGT20	DGT20I
Installation type		**DIN rail**				**Panel**			**Wall / Bench**	
Casing		ABS	ABS	ABS	ABS	Alumin-ium	ABS	ABS	Stainless steel/ painted	Stainless steel
Number of scales / channels		1	1	1	Up to 4	1	1	1	1	1
Conversion speed		Up to **400 Hz**	Up to **400 Hz**	Up to **400 Hz**	Up to **400 Hz**	Up to **400 Hz**	Up to **400 Hz**	Up to **400 Hz**	Up to **400 Hz**	Up to **400 Hz**
Web server		●	-	-	●	-	-	-	●	-
Integrated fieldbus		●	-	-	●	-	●	●	●	●
Modbus RTU		●	●	●	●	●	●	●	●	●
RS485		●	●	●	●	●	●	●	●	●
RS232		●	●	●	●	-	●	●	●	●
Digital I/O		●	●	●	●	●	●	●	●	●
Analogue output		●	●	●	●	●	●	●	●	●
Electric certifications	**UL Listed**	Upon request	Upon request	-	Upon request	-	-	-	-	-
Metrological certifications	**OIML R61 MID**	●	●	●	●	●	●	●	●	●
	OIML R51	●	●	●	●	●	●	●	●	●
	OIML R76	●	●	●	●	●	●	●	●	●
	EC Type Examination Certificate	●	●	●	●	●	●	●	●	●

LEGEND: ● As standard - Not available

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AUTOMEZZO
CLIENTE: Dini Argeo Srl
MATERIALE: Argilla
AUTOMEZZO: AB 232 CD
Pronto
DESELEZIONA
ZERO
TARA
STAMPA
INGRESSO
MENU
DINI ARGEO

PC SOFTWARE

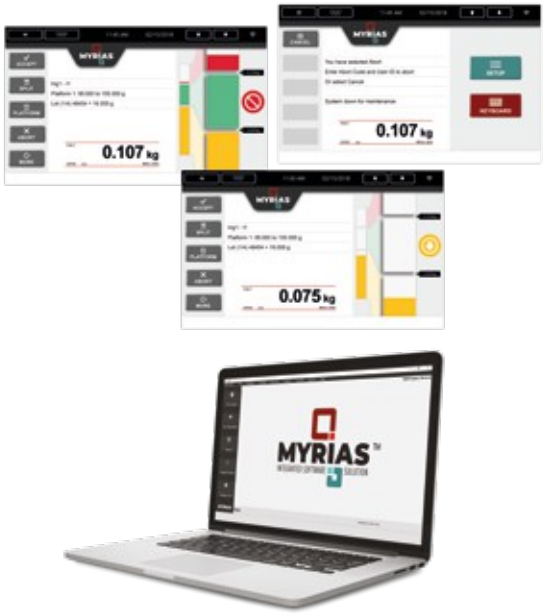
MYRIAS®

INTEGRATED SOFTWARE SOLUTION

Myrias is a corporate software designed to help companies in all industrial sectors improve operations, manage resources and steer growth. Myrias captures, monitors and reports weight data, enabling companies to leverage scale data information to make more informed and strategic decisions.

Myrias software can help reduce costs, maintain product quality, provide material traceability, and ensure regulatory compliance. Use Myrias to easily launch and stop work, immediately access reports in real time and review KPI data. Reports can be generated in real time locally or remotely, so data can be accessed from multiple locations.

Since Myrias is a modular software platform, each facility can customise its own software system to suit their specific processes. Facility managers can use modules such as batch formulation, checkweighing, offline sampling and others to create the ideal system for their operations.



Version codes

DESCRIPTION	CODE	
Myrias Core module. Up to 10 devices.	**MYR-COR-10**	
Myrias Core module. Up to 20 devices.	**MYR-COR-20**	
Myrias Core module. Up to 40 devices.	**MYR-COR-40**	
Myrias Enterprise Core Module. Up to 120 devices.	**MYR-COR-120**	
Myrias Enterprise SQL Core module. SQL Core for large and complex systems.	**MYR-COR-SQL**	

Remote technical assistance

DESCRIPTION	CODE	
Annual Maintenance Agreement T1. Remote Support And License Per Station.	**SUPP-T1**	
Annual Maintenance Agreement T2. Remote Support And License Per Station.	**SUPP-T2**	
Annual Maintenance Agreement T3. Remote Support And License Per Station.	**SUPP-T3**	
Annual Maintenance Agreement T4. Remote Support And License Per Station.	**SUPP-T4**	
Annual Maintenance Agreement T5; bespoke, please enquire.	**SUPP-T5**	
Hourly Maintenance Charge. Hourly charge if no annual maintenance plan is in place.	**SUPP-HMC**	

Available modules - T1

DESCRIPTION	CODE	
Manual Checkweighing Single. Single ingredients in standard positive weighing. Per single unit/device.	**PRD-MCW**	
Scale Manager. Multiple scale visibility with management tools. Per single unit/device.	**PRD-SCM**	
Counting. Parts counting using average piece weight on an existing scale. Per single unit/device.	**PRD-CNT**	
Data Manager. Records weight values from existing scale equipment. Per single unit/device.	**MYR-DM**	
Waste at In Line Scale. Waste and Shrink Calculations. Per single unit/device.	**PRD-ILW**	

The information in this document may be subject to change without notice.

Available modules - T2

DESCRIPTION	CODE	
Floor Pallet Weigh. Pallet Weighing. Per single unit/device.	**MYR-PW**	
Fork Lift Truck Basic. Per single unit/device.	**MYR-FLT**	
Dimensioning Module. Package Dimensions and Sales Order Processing.	**MYR-DIM**	
Manual Checkweighing Ready Meal. Multiple ingredient products in positive and takeaway modes. Per single unit/device.	**PRD-RM**	
Waste. Monitoring and recording scrap, waste, or shrink with traceability. Per single unit/device.	**MYR-WST**	
Traceability Station or Point. Full forward and back traceability through process. Per single unit/device.	**MYR-TRA**	
Axle Weigh / Accumulation. Per single unit/device.	**TRA-WWS**	
Bag Weighing Recording. Data acquistion of product weight values from an existing bagging scale. Per single unit/device.	**MYR-BWR**	
Manual Weigh Label. Per single unit/device.	**MYR-WLA**	
Transport Kiosk Module Per single unit/device.	**TRA-KSK**	
Products grading. Per single unit/device.	**PRD-GRD**	
Belt Weighing. Belt Scale. Per single unit/device.	**MYR-BELT**	
Dynamic Checkweigher. Recording and reporting of each weight. Per single unit/device.	**PRD-DCW**	

Available modules - T3

DESCRIPTION	CODE	
Offline Sampling. Per single unit/device.	**PRD-OLS**	
Offline Sampling for eWeight Per single unit/device.	**PRD-EW**	
Quantity Average & Minimum Weight. Per single unit/device.	**PRD-AMW**	
SPC Weight Recording. Per single unit/device.	**PRD-SPC**	
Weight Recording by Band. Per single unit/device.	**PRD-WBB**	
Quality Control. Per single unit/device.	**MYR-QC**	
Yield Management Per single unit/device.	**PRD-YLD**	
Truck Scale Management. Advanced Weighbridge Module. Per single unit/device.	**TRA-WBD**	
Advanced Axle Weigh / Accumulation. Per single unit/device.	**TRA-AXL**	
Recipe Batch Formulation. Up to 3 weighing inputs for manual control of recipe mix creation. Per single unit/device.	**PRD-RCP**	
Batch Yield System Module. Track yield per batch from 2 incoming weigh stations to 3 outgoing weigh stations. Per single unit/device.	**PRD-BYS**	
Stock Control. Inventory Management. Per single unit/device.	**MYR-STK**	
Goods In. Incoming Inventory Tracking. Per single unit/device.	**MYR-GI**	
Counting Pro. Counting Scale. Per single unit/device.	**MYR-CP**	
Manual Weigh Price Label. Per single unit/device.	**PRD-WPL**	
Outer case marker labeling system. Per single unit/device.	**PRD-OCM**	
Fork Lift Truck Pro. Per single unit/device.	**MYR-FLTP**	
Warehouse Management System. Inventory Management. Per single unit/device.	**MYR-WMS**	

Other options

DESCRIPTION	CODE	
Bespoke automated file export. CSV or similar format for further processing in a 3rd party software.	**SDI-EXP3**	
File Import from 3rd Party. Import from CSV or similar from a 3rd party software.	**SDI-IMP3**	
SQL Import from 3rd Party. Import from SQL table, or similar from a 3rd party software.	**SDI-IMPSQL3**	
SQL Export for 3rd Party. Export to SQL table, or similar for further processing in a 3rd party software.	**SDI-EXPSQL3**	
Label Designer. Designs labels for Zebra and Honeywell Intermec printers.	**SDI-LD**	
Network station license. Remote management, reporting and other functions (management tools).	**MYR-NSL**	
ERP Integration. Integration of all table data to be imported and exported to 3rd party ERP system.	**SDI-ERP**	

Services

DESCRIPTION	CODE	
Protocol Connection; connecting additional third party hardware	**SER-PROT**	
Custom programming service. Programming & Customization.	**SER-PROG**	
On-Site Installation. Installation Services (Add for Travel & Related Expenses).	**SER-INS**	
On-Site Training. Training services (Add for Travel & Related Expenses).	**SER-TRA**	
Factory Acceptance Test. Pre-Installation testing and configuration.	**SER-FAT**	
Description Document (T1 & T2). Process Definition to build solution.	**SER-DD**	
Formal Design Specification. Detailed specification document describing process and features of software.	**SER-FDS**	
Remote Installation. Remote Installation via Team Viewer on Customers PCs, Servers and Terminals.	**SER-REMI**	
Remote Training. Remote Training via Team Viewer on Customers PCs, Servers and Terminals.	**SER-REMT**	

APPLICATION MODULES

Myrias software features more than 150 modules covering virtually every business need.
This extensive modular system can be adapted and expanded to meet future corporate needs, from production to back-office functions. The standard modules are listed below.

Dynamic weight control

Recording of all packages from the checkweigher with real-time graphs. Immediate reporting of low weights and costly rejects. Comprehensive records help analyse package weights and diagnose filling defects.

- Centrally manage the product database from a single PC and send settings to each check-weigher
- Automatic product change on checkweigher from central job control
- Calculate fill adjustments to maintain control target (can be displayed by operator or connected to suitable equipment for automatic yield control)
- Advanced statistical and AI control options available for complex products
- Option to record actions of the integrated metal detector

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Batch recipe formulation

Accurate weighing of ingredients in batches, mixes and doughs. Get consistent quality, reduced waste, better cost control and complete traceability of weighing and measuring ingredients for set recipes.

- Shows recipe method
- Ensures consistent quality
- Reduces waste
- Displays HACCP messages and production information
- Full traceability of weighing and ingredient measurement
- Automatic calculation of ingredient weights for non-standard batch sizes

Offline sampling

Precise control of package filling enables you to meet legal requirements and limit profit loss. Powerful diagnostics help characterise fill performance and minimise fill variability problems. Maintains legally accepted records as proof of due diligence.

- Displays operator warnings of individual and collective pack fill violations, with calculated adjustments to maintain control target
- Includes a library of statistical control strategies
- Stores secure records for average weight, minimum weight and other legislation, as well as for statistical process and quality control
- Density conversion for liquid fillings
- Quarantine module available to record defect management

Forklifts

Simplify material handling operations by integrating forklift scales to move and weigh pallets in a single step. Simple messages guide operators through each pallet operation.

- Operator and product traceability
- Forklift performance statistics
- Real-time data sent to FTP
- Reports are available in CSV or TXT files for data transfer

Pallet weighing

Shipping and warehouse inventory systems benefit greatly from pallet weighing. Real-time data can be integrated to display live product quantities and shipment status.

- Accurate pallet weighing and recording
- Integrates floor and forklift scales into one database
- Data analysis identifies shortages, overfills and process yields
- Pallet labelling according to composition, customer, storage and other criteria

Static weight control

Add efficiency to food production, sorting and processing applications. Each package is continuously monitored and checked to be within a predetermined range or target.

- Fill control with weighing control lights to notify operators of weight status
- Optimise limits to control weight and operator speed
- Control of multiple scales from a central database
- Support for normal and outgoing fill control
- Automatic recording of each weight by operator, product and other key data
- Works with Ethernet, Wi-Fi and serial interfaces

Waste

To optimise profits, waste must be identified, measured and reduced in all operations. Reducing waste has a direct impact on profits.

- Monitor waste by type, product and department
- Record waste transactions for regulations
- Full traceability of all transactions
- Multiple plants can be networked with peripheral and central locations for ordering, accounting and reporting
- Operator messages guide the user quickly and smoothly through each transaction

Transport

Integrates with vehicle scales to manage product inventory, carriers, suppliers, customers, order processing, shipping and invoicing. Maximises vehicle throughput by reducing the risk of data entry errors.

- Records vehicle load data and empty weight data
- Captures vehicle and trailer identifiers
- Multi-axle weighing
- Checks loading bays and inventory of contents

Traceability (additional module)

Minimises business risk in the event of quality failure by quickly identifying affected items. Easily identifies process problems related to customer complaints.

- Provides complete traceability from intake to dispatch through all stages of production, supply and distribution
- Links traceability data through comprehensive and easy-to-use reports
- Each transaction includes time, date, batch numbers and operator identity for complete accountability
- Instant forward and reverse traceability of all materials and batches

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DINITOOLS

QUICK WEIGHT INDICATOR CONFIGURATION

The Dinitools PC software makes it possible to quickly configure the weight indicator and to create a registry of the installed scales.

These functions make it possible to quickly replicate the installations carried out, saving a great deal of time.

Version codes

	DESCRIPTION	CODE	
	PC software for indicator management (complete with USB and manual).	**DINITOOLS**	

Main functions

- Management of customer registry with saving of attachments, photos, videos, etc.
- Saving of configurations made to simplify and speed up future replicas.
- Calibration of scales with sample weights, with 8 linearisation points.
- Theoretical calibration by entering the system's characteristic data.
- Pre-calibration of the electronic board of the indicator.
- Digital equalisation.
- Filling out archives, quickly and easily.
- Printout and label layout customisation.

Compatible indicators and transmitters

- All

DINI DISPLAY TOOL

PROGRAM FOR QUICK CUSTOMISATION OF DISPLAY

DINI DISPLAY TOOL allows you to quickly customise the interface of touch screen indicators in the 3590 range, modifying buttons, numeric fields, text fields, logos and other components.

Version codes

	DESCRIPTION	CODE	
	Program for quick customisation of touchscreen display.	**DDT**	

Main functions

- Simple and intuitive interface
- Customisation database
- Import/Export customisations
- Image management and option to match them to items, customers, PLUs, etc.
- Logo management
- Free insertion of objects, such as:
  - Buttons
  - Touch areas
  - Images
  - Bargraphs
  - Text and numeric fields
- Matching functions to objects

Compatible indicators and transmitters

- 3590 Touch series

DINI ARGEO
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XSPEED TOOL

WEIGHING FILTER DIAGNOSTICS AND CONFIGURATION SOFTWARE

PC software for recording the signal coming from the load cell in real time, and to process it by applying specific filters to remove vibrations, disturbances and noise.

Indispensable for accurate and fast weighing in automated weighing systems.

XSPEED TOOL
FREE
DOWNLOAD

Main functions

- Analysis of the signal in the time and frequency domain.
- Reception of data at very high speed (up to 2600 reads per second).
- Automatic data capture based on time or weight thresholds.
- Real-time signal processing.
- Application of optional, fully configurable filters to remove vibrations, oscillations, peaks, etc., making the weight stable and the scale responsive and performing.
- Calibration of the instrument, including:
  - Calibration using sample weights, with option of linearising the system up to 8 points.
  - Theoretical calibration, with input of the data for the system to be made (load cells, dead load, etc.).
- Database of weights and configured filters.

Filters

- Coarse filter for removing signal background noise and stabilising the weight.
- Fine filter to increase read accuracy.
- Selective filter to isolate and eliminate noise with precise frequencies.

Compatible indicators and transmitters

- High-speed DGT series

WEIMONITOR

DATA SAVING AND EXPORT TO CSV

WeiMonitor is the PC program for monitoring and recording in real-time weighings made on a connected scale, storing them in an Excel or text file for future processing.

Version codes

	DESCRIPTION	CODE	
	"WeiMonitor" PC software for monitoring/recording weights made on connected scale, in real time (the price shown refers to the licence for managing one scale).	**SWM**	

Main functions

- Weight display, with option of semi-automatic tare management via dedicated button
- Manual recording at the push of a button on the PC or directly on the scale
- Automatic "time" recording, with programmable read frequency
- Data saving to Excel (.xls) or text (.txt) file
- Keyboard emulation, for entering weight data directly into the active Windows application, allowing the compilation of bills, documents, invoices, etc.
- Approved operation with recording of the weighing ID (alibi memory inside the indicator required)

Compatible indicators and transmitters

- All

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The information in this document may be subject to change without notice.

D-LEGAL

APPROVED PROGRAM FOR SAVING WEIGHTS, DATA EXCHANGE WITH PC PROGRAMS VIA API

D-LEGAL is a program for saving type-approved weighing operations. It is a real virtual alibi memory, directly on a PC and without storage limits. With this new software, all data is saved in a type-approved file that can be exported to Excel.
It is designed to simplify data exchange with external programs using a comprehensive API package.

M TYPE-APPROVED

Version codes

	M	DESCRIPTION	CODE	
	M	Type-approved software for recording weighing results to a PC (virtual alibi function) with an integrated API library for interfacing with other software.	**D-LEGAL**	
		Software for recording weighing results to a PC (for internal use) with an integrated API library for interfacing with other software.	**D-API**	
	M	Type-approved software for repeating weight to a PC.	**D-REPE**	

Main functions

- Type-approved software, for Legal for Trade use
- The program interface is the type-approved scale viewer that can be used for zeroing, setting the tare and saving weighing results
- Retrievable and exportable weight database in Excel format
- Virtually unlimited storage memory
- Keyboard emulation function for entering the type-approved weighing directly where it is needed, on bills, invoices, etc
- Also available in a version for internal factory use (D-API)

Type-approved software, for legal-for-trade use

Thanks to type approval for legal-for-trade use, D-LEGAL enables creating type-approved application software for Windows, leveraging the API library.
Please refer to the user manual for the registration and type-approval procedure.

Compatible indicators and transmitters

- DGT4X
- DGT1SX
- DGT1P
- DGT1SP
- DFWIECEX
- 3590 Touchscreen series (with D-API)

DBMANAGER

PC PROGRAM FOR QUICK COMPILATION OF SCALE ARCHIVES

DBMANAGER is a PC program for facilitating and speeding up filling out scale archives, with the option to import/export them in Excel format.

Version codes

	DESCRIPTION	CODE	
	PC program for quick compilation of archives. For 3590Exx and CPWExx instruments (the price shown refers to the licence for managing one scale).	**DBM**	

Main functions

- Self-identification of the connected indicator
- Configurable fields of each archive
- Receive/transmit archives
- Import/Export from Excel file

Compatible indicators and transmitters

Supported indicators:

- 3590ET / 3590ETT / 3590ETB / 3590ETKR / 3590EGT
- 3590EXP / 3590EXT
- CPWE

Supported programs:

- AF01
- AF02
- AF03
- AF04
- AF05
- AF09
- BATCH1
- BATCH

QUALITY AND CERTIFICATIONS

Dini Argeo has been active since 1846 in the production of scales and weighing systems, and since **02/04/1906 has been enrolled in the Registry of Metric Manufacturers** provided for by Royal Decree no. 226 of 12/06/1902.

Dini Argeo has obtained the **Quality Management System certification** according to UNI EN ISO 9001:2015.

Dini Argeo is an **ATEX notified body** pursuant to Directive 2014/34/EU (Annex IV). The Dini Argeo production process is therefore certified for the production and marketing of Ex-marked equipment intended for use in environments with potentially explosive atmospheres.

Dini Argeo has achieved **ATEX EX NEPSI** certification for China, for its weight indicators intended for use in environments with potentially explosive atmospheres, areas 2GD.

Dini Argeo is a certified company for the manufacture and supply of Ex-marked **IECEx certified** equipment for use in environments with potentially explosive atmospheres requiring the IECEx certified equipment scheme.

Dini Argeo manufactures instruments that conform to the defined requirements of the recommendations of the **International Organization of Legal Metrology (OIML)**:
- **OIML R60** approval for load cells.
- **OIML R76** approval for non-automatic weighing instruments.
- **OIML R134** approval for dynamic vehicle low speed weigh-in-motion.
- **OIML R51** (MID) approval for automatic weighing on weighing belt.
- **OIML R61** (MID) approval for weighing for gravity filling machines.

Dini Argeo manufactures non-automatic weighing instruments in accordance with Directive 2014/31/EU. The DG marking indicates that the instrument is subject to EC verification by the manufacturer according to the **EC Certificate of Approval of the Production Quality Assurance System**.

Dini Argeo is a **CIBE Service Partner**, an ISO/IEC 17025:2017 accredited metrology laboratory for calibration and periodic verification of masses and scales (NAWI and AWI) and adheres to the Laboratory's legal and scientific metrology update programmes.

Dini Argeo produces instruments type-approved or approvable for Legal for Trade use according to European standard EN 45501 and Directive 2014/31/EU.
The metrological marking indicates that the instrument has a type approval or type examination certificate, issued by a European Notified Body, which validates its suitability for legal use.
This approval is essential for all legal-for-trade uses of the instrument.
XX: are the last two digits of the year when the metrology marking was affixed.
yy: indicates the identification number of the Notified Body involved in production control.

Dini Argeo is a member of the **UKWF (United Kingdom Weighing Federation)**, the national association of manufacturers, distributors, repairers, installers and service organisations involved in the UK weighing sector.

Dini Argeo is a member of the **CWIA (China Weighing Instrument Association)**, the national association of manufacturers, distributors, researchers, educators, and government officials involved in the weighing industry in China since 1983.

Dini Argeo manufactures GOST-R compliant instruments.

Dini Argeo is a member of **WIAA (Weighing Industry Association of Australia)**, the national body representing companies and enterprises involved in the manufacture, sale and service of laboratory, industrial and retail weighing instruments.

GENERAL CONDITIONS OF SALE AND WARRANTY

Sales prices are always net of VAT, to be paid by the buyer.

WARRANTY / TECHNICAL ASSISTANCE - ASSEMBLY

The warranty is 24 months from delivery, excluding parts classified as consumables, such as: print heads, batteries, mass memories (SD, USB, etc.), wheels and electric motors. The warranty on this consumable material is 3 months.
The warranty refers to the failure resulting from any construction defect or material defect of the supplied product and covers the cost of labour and replaced components. The product must be sent in its original packaging, with transport charged to the sender, to the Dini Argeo premises.
If the intervention is required at the place of use, the costs for the technician's travel will be borne by the applicant. The labour costs for the repair and the cost of any replaced components shall be borne by Dini Argeo.
The warranty does not apply to faults arising from improper use and failure to comply with operating instructions, electrical phenomena, tampering, unauthorised repair attempts, connections to other equipment or removal of the identification elements of the product (serial number, label, etc.). Any compensation for damages, direct or indirect, caused to the user by the failure or partial functioning of the instruments or systems sold, even during the warranty period, is excluded. The warranty on load cells excludes damage from shocks and overloads (overload is evident if, when measuring the output signal of the cell, powered and without load, an output voltage of more than 1 mV is measured).

REPAIRS - GOODS RETURNS - RMA

Repairs at Dini Argeo premises are carried out at the hourly rates in force and on the basis of the prices indicated in the spare parts list. If a repair estimate is required before proceeding, the applicant must make an explicit request at the time of sending the material to be repaired. In this case the repair will be carried out after acceptance of the cost estimate compiled by the Dini Argeo technical service.
Technical assistance and/or assembly at the customer's premises can be carried out after telephone agreement with the Dini Argeo technical and/or commercial service with written confirmation for acceptance of the conditions in force.
The repair of Dini Argeo products must be requested by sending the appropriate RMA (Return Material Authorisation) request form. Once the form has been received, the Technical Assistance Department will inform the applicant of the RMA number which must be indicated on the document accompanying the product. To use the service, simply access the customer reserved area and fill in the on-line form to send the material for repair.
The return of products is only accepted if previously agreed and confirmed by the Dini Argeo sales office.

TRANSPORT AND PACKAGING

Return of goods Dini Argeo premises. The risks of transport, loss and/or damage of the goods are borne by the buyer even if the goods travel postage paid. Transport by couriers contracted with Dini Argeo is available.
The prices indicated are inclusive of cardboard packaging up to a size of 680 x 520 x 320 mm. Larger packaging sizes are available with the use of pallets.

MINIMUM INVOICING / PAYMENT / OTHER CONDITIONS

For orders of less than 50 Euro, prices are net of discounts.
In the event of late payment, any collection costs and interest on arrears will be charged at an annual rate equal to the "prime rate" plus 5 percentage points.
Under no circumstances shall any disputes or claims entitle the buyer to delay or suspend payments.
Sales prices are considered accepted by Dini Argeo only after written confirmation by Dini Argeo of the purchase order and subject to sale.
Dini Argeo reserves the right of ownership on the material delivered until the payment of the goods by the customer.
For any dispute concerning the supply of products, the applicable law is Italian law and the competent court is Modena.

RESTRICTIONS ON THE SALE AND SUPPORT OF PRODUCTS

As countries and companies impose restrictions on where they can do business with, it is essential to understand how these restrictions may apply to your company in order to maintain business compliance.
Companies located in these countries may not purchase or service Rice Lake global brand products from our offices or through our authorised distributors; for the most current list of restricted countries and regions, please visit the General Sales and Warranty page of the Dini Argeo website.

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TRAINING COURSES

WE OFFER
SPECIALISED TECHNICAL ADVICE

and in-depth knowledge of our users' industry-specific requirements.

WE HOLD
TRAINING COURSES and **WEBINARS**

that ensure knowledge is passed on to you.

In addition to technical training, we provide

A SERVICE OF
CUSTOMISED PROFESSIONAL CONSULTANCY

- Integration of weighing systems with existing automation and management environments
- Research into the most suitable technological solutions for the customer's needs
- Regulatory updating
- Technical and legal metrology

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BY DINI ARGEO TECHNICIANS!

Rice Lake Weighing Systems

SCALE TALK

SCALETALK addresses the **most frequently asked questions** and **topics of interest** in a short and intuitive format.

With a collection of short instructional videos, **SCALETALK** provides guidance for performing simple and useful procedures on our weighing instruments independently.

DINI ARGEO

Tips, tricks and best practices for Rice Lake Weighing Systems, Dini Argeo products and general scale equipment

Demonstrations by Dini Argeo technical experts

Available on **YouTube**, **Vimeo** and the Dini Argeo website

YouTube vimeo

We invite you to subscribe to our **YOUTUBE** and **VIMEO** channels to stay up-to-date!

Dini Argeo Dealer Network: Over 3500 Partners in More Than 130 Countries Across the World

"YOUR WORLDWIDE PARTNER FOR WEIGHING"

WHY CHOOSE DINI ARGEO?

WORLDWIDE SERVICE AND SHIPPING

International group with offices in America, Europe, India, China, Mexico and Oceania, over 1100 employees and a network of specialised partners in 130 countries worldwide.

FAST SHIPPING

Dini Argeo always keeps complete systems in stock that can be shipped quickly.

MADE IN ITALY

Dini Argeo weighing solutions are made in Italy and guarantee the highest quality standards.

DINI ARGEO
Scales - Weighing systems
A RICE LAKE WEIGHING SYSTEMS COMPANY

COMPANY HEADQUARTERS

Via Della Fisica, 20
41042 Fiorano Modenese • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE

Via Dell'Elettronica, 15
41042 Fiorano Modenese • Italy
Tel. +39.0536 921784

OTHER DINI ARGEO LOCATIONS

DINI ARGEO WEIGHING INSTRUMENTS Ltd
China

DINI ARGEO UK Ltd
United Kingdom

DINI ARGEO FRANCE sarl
France

DINI ARGEO GMBH
Germany

DINI ARGEO OCEANIA
Australia

The information in this document is approximate and can be subject to variations without prior notice by Dini Argeo, with respect of the norms in force. The official technical data is available in the updated version on the www.diniargeo.com website or by contacting Dini Argeo Customer Service.

SALES SERVICE AND TECHNICAL ASSISTANCE

WEIGHTIND-CEN
Rev. 01/02/2025