

OVERHEAD WEIGHING SOLUTIONS

CATALOGUE

 **DINI ARGEON**
Scales - Weighing systems

A RICE LAKE WEIGHING SYSTEMS COMPANY



DINI ARGEON

A RICE LAKE WEIGHING SYSTEMS COMPANY

OVERHEAD WEIGHING SOLUTIONS

Crane Scales Manufacturer



Dini Argeo - Head Quarter & Production Line - Fiorano Modenese, Italy

"Dini Argeo designs and manufactures overhead weighing solutions that stand out for quality and reliability, regardless of industry or application needs."

Dini Argeo is an Italian company specializing in the design and manufacture of crane scales and weighing systems, which stand out for their quality, reliability and versatility of use, gaining increasing success in markets all over the world. The wide range of overhead weighing solutions makes Dini Argeo products easy to integrate into your industries.

In this catalog you can find a wide range of crane scales specially designed for weighing large hanging objects in industrial environments. Equipped with single or dual safety technology, they allow you to weigh and handle in full compliance with regulations on the prevention of risks from handling suspended loads.

With its team of highly qualified engineers, Dini Argeo is also able to suggest certified weighing solutions best suited to your needs.





9.25

INDEX

BUYERS GUIDE

page 6

ABOUT SAFETY

page 8

ADJUSTMENT AND CALIBRATION

page 10

CRANE SCALE SOLUTION OVERVIEW

page 12

APPLICATION EXAMPLES

page 34

BEYOND THE PRODUCT: DINI ARGEO SERVICE

page 36

FAQ

page 37

PRODUCT WEIGHT WITH SHIPMENT PACKAGING

page 38

BUYERS GUIDE

WHAT IS A PROFESSIONAL CRANE SCALE?

A professional crane scale is a scale specifically designed for weighing suspended loads. It consists of a compact and rugged housing that encloses and protects a specific weighing electronics, usually with high-performance load cell operation. It is equipped with hooking systems with standard dimensions that make it easy to install on the lifting system, allowing you to weigh any object.

WHAT ARE THE MOST IMPORTANT FEATURES TO CHOOSE THE RIGHT CRANE SCALE?



TYPE OF USE: LIFT AND WEIGH OR LIFT, WEIGH AND TRANSPORT

There are two types of crane scales:

1. **Crane scales for lift and weigh applications.**
2. **Crane scales for lift, weigh and transport applications.**

The first type of crane scale does not allow the load to be transported. Once the load has been lifted and the weigh detected, the load shall be lifted down on the ground and removed.

The second type of crane scale is designed specifically to lift, weigh and transport the suspended load. These types of crane scales can be installed permanently on the lifting system.



SUITABLE FOR OUTDOOR OR INDOOR ENVIRONMENTS

There are crane scales for use in indoor or outdoor environments, with very precise features.

For use in **outdoor environments**, prefer crane scales with the **correct IP protection rating** against dust and rain, made of stainless steel or treated with specific surface processes.

Indoor environments do not require special constructive features, with the exception of particularly harsh ones or in proximity to heat sources, for which it is necessary to choose specific crane scales.



SUITABLE LIFTING CAPACITY

The term "lifting capacity" refers to the maximum weight that the crane scale can accurately weigh.

The choice of the lifting capacity depends on the load to be weighed and also on the maximum load capacity of the lifting system (crane, bridge crane, etc.).

The nominal capacity of the crane scale must not be lower than the maximum capacity of the lifting device.

THE ADVANTAGES OF CHOOSING A CRANE SCALE

The most important advantage offered by the crane scale is its ability to accurately weigh, directly where it is needed, loads of any shape and size, without occupying any space on the ground. Another important advantage is that of being able to weigh during load handling operations, thus saving time.

Thanks to the new technologies, the weight data can be quickly shared with the corporate computer system, making it available in real time to each department.



OPTIMAL WEIGHING ACCURACY

With the rising cost of raw materials, every company needs to reduce waste, make the most of scrap and reduce production tolerances in order to save resources and money.

A crane scale with inadequate accuracy provides inaccurate weight readings that, multiplied by thousands of weighings per year, result in significant losses.

That's why the use of an accurate crane scale helps to properly value the weighed material.

It is advisable to choose professional crane scales with certified weighing accuracies of at least 0.05% of the lifting capacity.



COMPACT SIZE

A crane scale with compact dimensions **makes it possible to exploit the lifting space of the system**, making it possible to easily weigh even bulky objects.

The compact size also **facilitates handling operations**.



LEGAL-FOR-TRADE USE

When the crane scale is used in legal for trade applications, choose an instrument approved according to the **European regulation EN 45501** and the **Directive 2014/31/EU for non-automatic weighing instruments (NAWI)**.

ABOUT SAFETY

Did you know that...

Unlike a classic scale, during its normal use, a crane scale is constantly subject to sudden pulling, twisting and strong repeated oscillations, both lateral and transverse, which often exceed the nominal capacity indicated on the product.

This means that the use of any crane scale is always to be considered harsh.

What does this mean in practical terms?

These harsh working conditions, which are often underestimated, actually cause constant wear of the crane scale, called "fatigue".

The technical features of any material or product subjected to fatigue over a long period of time can be altered causing deformations, malfunctions or, in the worst cases, structural failure.

For this reason the crane scale is part of the load-carrying equipment subject to Directive 2006/42 EC (Machinery Directive) and UNI EN 13155/2009 (Lifting equipment - Safety - Removable load handling equipment).

What does the law say?

Some basic points are summarized below:

- All crane scales used for lifting purposes must comply with the applicable regulations, be provided with the appropriate marking and be used with specific safety devices.
- The user shall determine the use type of the crane scale, lift and weigh only or lift, weigh and transport, and choose the correct product.
- Personnel shall be instructed on the correct usage of the crane scale, as stated in the safety manuals of the product.
- The crane scale is subject to periodical safety checks depending on the type and frequency of use.

The user is only allowed to use crane scales that comply with the standards and is required to carry out the checks and routine maintenance operations indicated in the user manual.

What is the periodic safety check of the crane scale?

As for any other lifting equipment, also the professional crane scale, by law, must be checked periodically to verify the state of wear of every single part of the lifting equipment.

The purpose of this mandatory check is to ensure the efficiency and safety of the crane scale over time. The periodicity of this control depends on the use of the crane scale, which can be harsh or occasional.

There are companies specialized in the periodic inspection of lifting equipment that can also carry out checks on crane scales.





SAFETY WITHOUT COMPROMISE



The MCW series crane scales are manufactured in conformity with the European legislation, in terms of lifting appliances safety standards:

2006/42 CE; UNI EN 13155/2009; UNI EN 13889; 2014/30/EU.



The components used in the manufacture of our crane scales are inspected by an experienced and competent team. Our load cells are put through stringent safety tests.



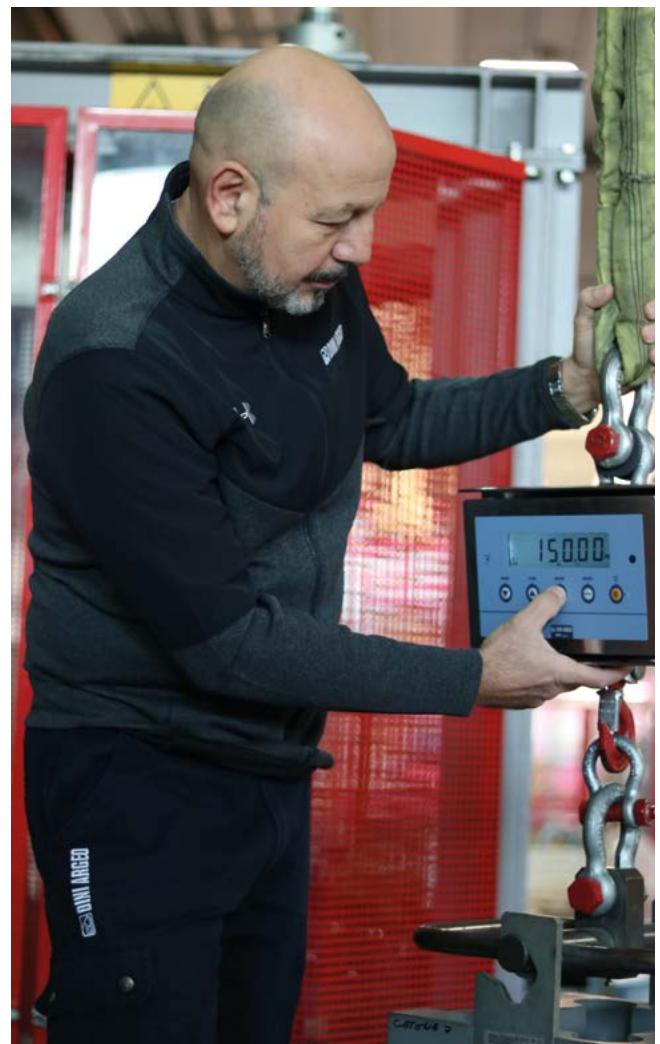
Every crane scale is supplied with a maintenance manual where the recommended periodical inspection test can be recorded. Adherence to our recommend maintenance routine will always guarantee the best performance in complete safety.

ADJUSTMENT AND CALIBRATION

The MCW series crane scales are manufactured in the Dini Argeo factory, calibrated and adjusted to guarantee the declared precision.

The highly qualified staff carries out the calibration of the crane scales following scrupulous procedures and using special direct weight machines with certified masses.

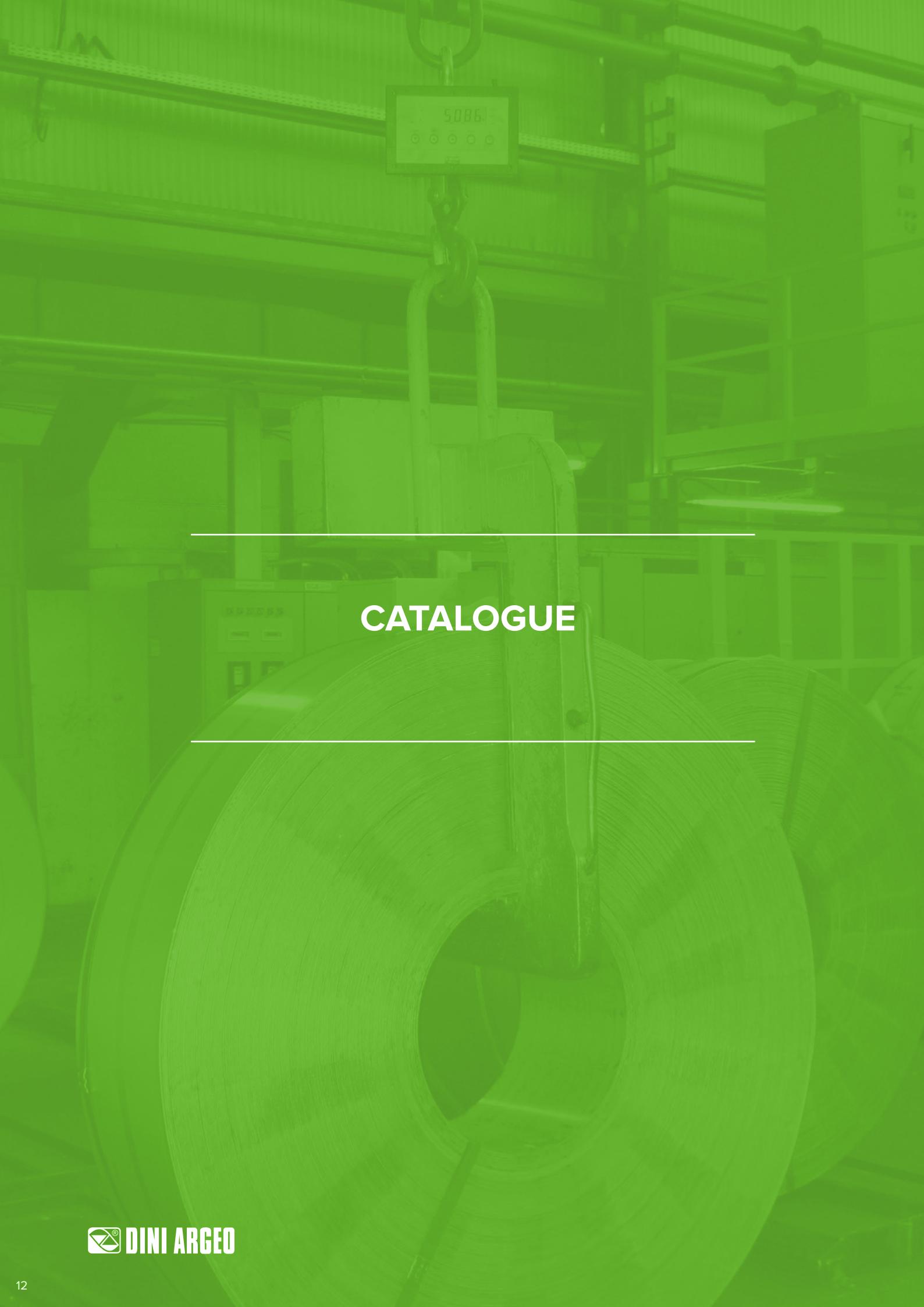
Dini Argeo also offers periodic assistance and calibration of the instruments in use, to guarantee accurate weighing results over time.





PERICOLO
ATTENZIONE

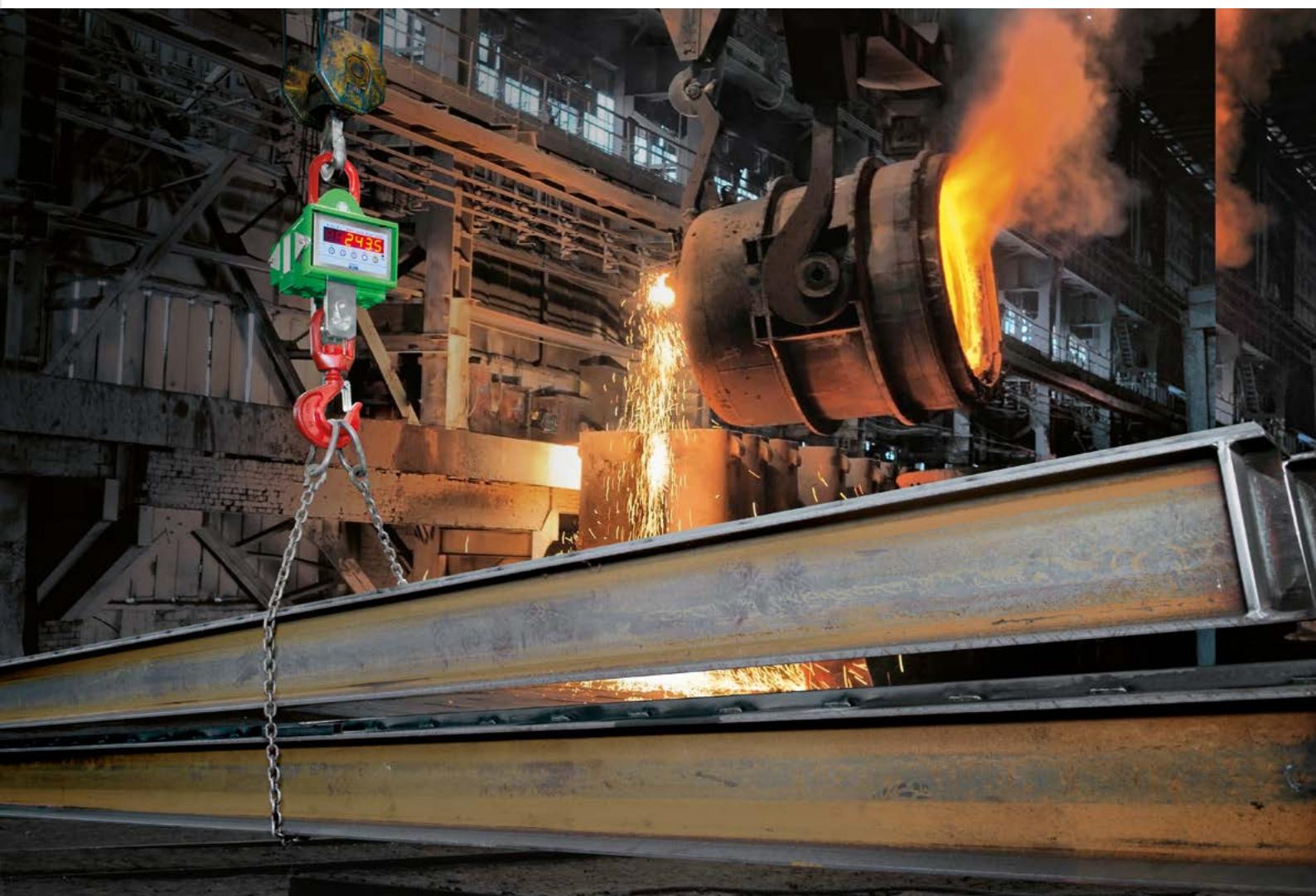
888888

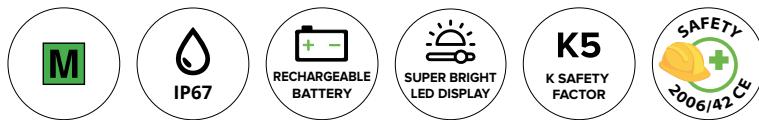


CATALOGUE

CRANE SCALES

SOLUTION OVERVIEW





Example:
Hook not included.



Protective screen in
plexiglas for display
and keyboard.

Professional crane scale specifically designed for permanent installation on the lifting system thanks to its technology with double safety.

Ideal for heavy duty industry, it can be supplied with optional thermal shield to weigh high-temperature products.

Choose it because:

- Double safety, ideal for coil weighing, heavy duty applications and harsh environments
- Fitted with protective screen for display and keyboard
- Super bright red LED display

Main Functions

- **WEIGHT TOTALISATION**
- **UNIT CONVERTER:** N/kg, kg/lb, free conversion factor
- **HOLD** (display freeze)
- **PEAK**
- **ZEROING**
- **TARE**
- **PRESET TARE**
- **PRINTOUT** (via optional repeater)
- **DATA TRANSMISSION TO PC** (via optional interface)

Version codes

Max. Capacity (kg)	d (kg)	M (kg)	Product Code
6.000	-	2	MCWHU6M-x
10.000	-	5	MCWHU10M-x
15.000	-	5	MCWHU15M-x
6.000	1	-	MCWHU6-x
10.000	2	-	MCWHU10-x
15.000	2	-	MCWHU15-x
25.000	5	-	MCWHU25-x

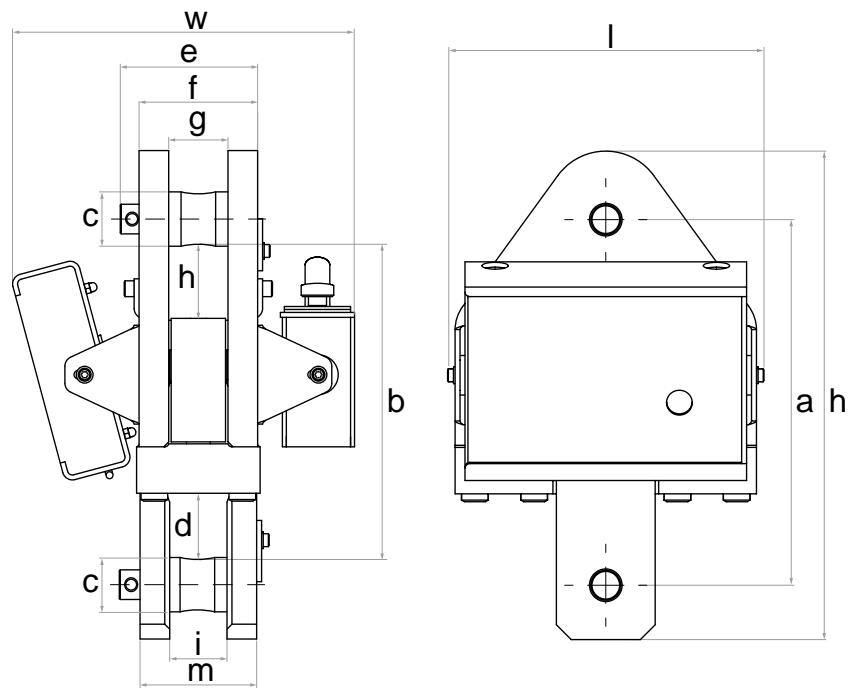
Technical Features

Security and compliances	Double security system, for permanent installation in the lifting system; recommended for lifting and moving the suspended load	
Display	40 mm red LED display	
Brightness	Adjustable brightness intensity	
IP protection degree	IP67	
Accuracy	Internal use	± 0,03% of the max. capacity
	Legal for trade M	According Directive 2014/31/EU
Keypad	5-key waterproof	
Structure	Oven fire painted steel	
Remote control included	Radiofrequency remote control for up to 50 m distance use	
Auto switch-off	5 min, programmable	
Power supply	Extractable rechargeable battery	
Operating time	About 60 h	
Battery recharge	Via a 230 Vac 50 Hz charger (8 h for full recharge) with EU plug	
Operating temperature range	-10/+80 °C, with optional heat shield (-10/+40 °C for the CE-M approved model)	
Transport case	-	
Communication	Optional radio-frequency or Wi-Fi or Bluetooth	
Printer	As option, with weight repeater	
Shackles & Hooks	(See page 29 - 33 for technical info)	

Certifications

- 2006/42/EU (Machine Directive)
- 2014/30/EU (EMC) Electric
- 2014/35/EU (LVD) Electric
- 2011/65/EU (RoHS) Hazardous substances
- 2014/31/EU Legal Metrology

Technical Drawing (mm)



Code	PRODUCT DIMENSIONS												
	l (mm)	w (mm)	h (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)	i (mm)	m (mm)	n (mm)
MCWHU6M-x													
MCWHU10M-x													
MCWHU15M-x													
MCWHU6-x	320	346	494	370	318	55	67	139	120	60	75	58	118
MCWHU10-x													
MCWHU15-x													
MCWHU25-x													

Options

- THERMAL SHIELD FOR USE UP TO 80° C
- ADDITIONAL BATTERY FOR 24/7 USE
- BLUETOOTH INTERFACE
- RADIO 868 MHz INTERFACE
- Wi-Fi
- WEIGHT REPEATERS WITH PRINTER
- DATE & TIME
- ALIBI MEMORY
- PC SOFTWARE FOR DATA STORAGE



Packaging and Weight (see page 38)



Professional stainless steel crane scale designed to weigh in harsh industrial environments. Unaffected by rain, dust and dirt, thanks to its IP67 protection rating.

Choose it because:

- Full stainless steel body
- IP67 protection
- Super bright red LED display

Main Functions

- WEIGHT TOTALISATION
- UNIT CONVERTER: N/kg, kg/lb, free conversion factor
- HOLD (display freeze)
- PEAK
- ZEROING
- TARE
- PRESET TARE
- PRINTOUT (via optional repeater)
- DATA TRANSMISSION TO PC (via optional interface)

Version codes

Max. Capacity (kg)	d (kg)	M (kg)	d HR (kg)*	Product Code
3.000	1	-	0,5	MCW09T3-x
6.000	2	-	1	MCW09T6-x
9.000	5	-	2	MCW09T9-x
12.000	5	-	2	MCW09T12-x
17.000	10	-	5	MCW09T17-x
25.000	10	-	5	MCW09T25-x
30.000	20	-	10	MCW09T30-x
50.000	20	-	10	MCW09T50-x

d HR: Optional High-Resolution division only obtainable with the relative option EHR (see "Special Versions" table page 25).

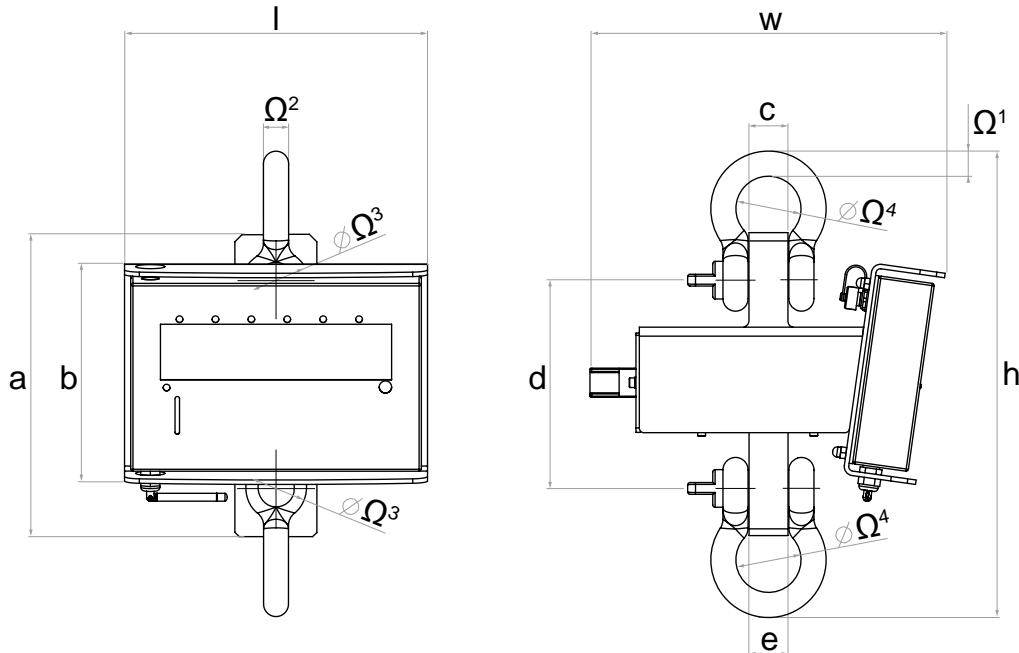
Technical Features

Security and compliances	Single security system, for the lifting and the weighing of the load	
Display	Extremely bright 40 mm DOT LED red display	
Brightness	Adjustable brightness intensity	
IP protection degree	IP67	
Accuracy	Internal use	± 0,05% of the max. capacity (for 3T to 9T models) ± 0,1% of the max. capacity (for 12T to 50T models)
	Legal for trade M	According Directive 2014/31/EU
Keypad	5-key waterproof	
Structure	AISI 304 stainless steel	
Remote control included	Radiofrequency remote control for up to 50 m distance use	
Auto switch-off	5 min, programmable	
Power supply	Rechargeable battery	
Operating time	About 30 h	
Battery recharge	Via a 230 Vac 50 Hz charger (8 h for full recharge) with EU plug	
Operating temperature range	-10 / +40 °C	
Transport case	-	
Communication	Optional radio-frequency or Wi-Fi or Bluetooth	
Printer	As option, with weight repeater	
Shackles & Hooks	(See page 29 - 33 for technical info)	

Certifications

- 2006/42/EU (Machine Directive)
- 2014/30/EU (EMC) Electric
- 2014/35/EU (LVD) Electric
- 2011/65/EU (RoHS) Hazardous substances
- 2014/31/EU Legal Metrology

Technical Drawing (mm)



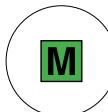
Code	PRODUCT DIMENSIONS								SHACKLE DIMENSIONS				
	I (mm)	W (mm)	h (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Model	Ω¹ (mm)	Ω² (mm)	Ω³ (mm)	Ω⁴ Ø (mm)
MCW09T3	270	316	422	246	196	33	186	33	GR6	22	22	55	58
MCW09T6	270	316	422	246	196	33	186	33	GR6	22	22	55	58
MCW09T9	270	316	492	246	196	44	186	44	GR9	29	29	67	74
MCW09T12	270	316	515	270	196	52	186	52	GR12	32	32	76	83
MCW09T17	270	316	657	320	196	60	220	60	GR17	38	38	92	98
MCW09T25	270	316	795	400	196	73	290	73	GR25	45	45	110	127
MCW09T30	270	366	830	400	196	83	280	83	GR35	51	51	127	146
MCW09T50	270	445	1105	540	196	105	370	105	GR55	63	63	153	184

Options

- HIGH RESOLUTION
- ADDITIONAL BATTERY FOR 24/7 USE
- BLUETOOTH INTERFACE
- RADIO 868 MHz INTERFACE
- Wi-Fi
- PC SOFTWARE FOR DATA STORAGE
- WEIGHT REPEATERS WITH PRINTER
- DATE & TIME
- ALIBI MEMORY



Packaging and Weight (see page 38)



Professional high-accuracy crane scale in stainless steel designed to weigh with the highest resolution in harsh industrial environments. Fitted with swivelling hook.

Choose it because:

- Compact size, including the swivelling hook
- IP67 protection
- Full stainless steel structure

Main Functions

- **WEIGHT TOTALISATION**
- **UNIT CONVERTER:** N/kg, kg/lb, free conversion factor
- **HOLD** (display freeze)
- **PEAK**
- **ZEROING**
- **TARE**
- **PRESET TARE**
- **PRINTOUT**
- **DATA TRANSMISSION TO PC** (via optional interface)

Version codes

	Max. Capacity (kg)	d (kg)	M (kg)	d HR (kg)*	Product Code	
150	150	-	0,05	-	MCW150MR2-x	
300	300	-	0,1	-	MCW300MR2-x	
600	600	-	0,2	-	MCW600MR2-x	
1.500	1.500	-	0,5	-	MCW1500MR2-x	
300	300	0,1	-	0,05	MCW300R2-x	
600	600	0,2	-	0,1	MCW600R2-x	
1.500	1.500	0,5	-	0,2	MCW1500R2-x	

d HR: Optional High-Resolution division only obtainable with the relative option EHR (see "Special Versions" table page 25).

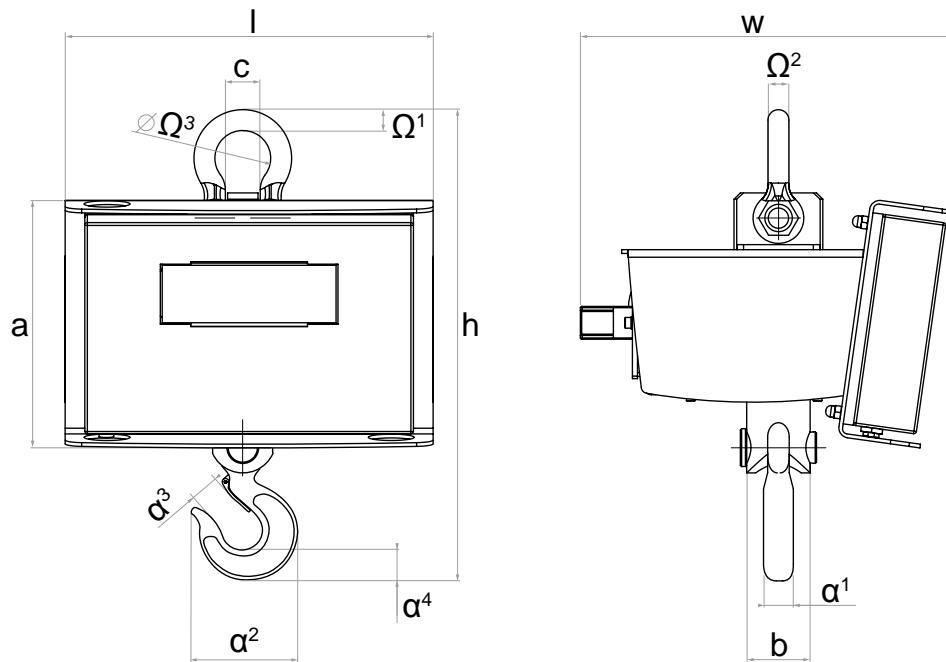
Technical Features

Security and compliances	Single security system, for the lifting and the weighing of the load	
Display	Backlit 25 mm LCD display	
Brightness	Adjustable brightness intensity	
IP protection degree	IP67	
Accuracy	Internal use	± 0,05% of the max. capacity
	Legal for trade	According Directive 2014/31/EU
Keypad	5-key waterproof	
Structure	AISI 304 stainless steel	
Remote control	Infrared technology up to 8 m distance use	
Auto switch-off	5 min, programmable	
Power supply	Rechargeable battery	
Operating time	About 40 h	
Battery recharge	Via a 230 Vac 50 Hz charger (8 h for full recharge) with EU plug	
Operating temperature range	-10 / +40 °C	
Transport case	-	
Communication	Optional radio-frequency or Wi-Fi or Bluetooth	
Printer	As option, integrated or via weight repeater	
Shackles & Hooks	(See page 29 - 33 for technical info)	

Certifications

- 2006/42/EU (Machine Directive)
- 2014/30/EU (EMC) Electric
- 2014/35/EU (LVD) Electric
- 2011/65/EU (RoHS) Hazardous substances
- 2014/31/EU Legal Metrology

Technical Drawing (mm)



Code	PRODUCT DIMENSIONS						SHACKLE DIMENSIONS				EYE HOOKS DIMENSIONS				
	I (mm)	w (mm)	h (mm)	a (mm)	b (mm)	c (mm)	Model	Ω ¹ (mm)	Ω ² (mm)	Ω ³ (mm)	Model	α ¹ Ø (mm)	α ² Ø (mm)	α ³ Ø (mm)	α ⁴ Ø (mm)
MCW150MR2-x															
MCW300MR2-x															
MCW600MR2-x															
MCW1500MR2-x	290	294	383	196	50	27	GR3	16	16	43	GOC1	21	90	25	28
MCW300R2-x															
MCW600R2-x															
MCW1500R2-x															

Options

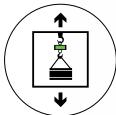
- HIGH RESOLUTION
- RED LED DISPLAY
- ADDITIONAL BATTERY FOR 24/7 USE
- RADIO REMOTE CONTROL (50 m)
- BLUETOOTH INTERFACE
- RADIO 868 MHz INTERFACE
- WI-FI
- INTEGRATED THERMAL PRINTER
- WEIGHT REPEATERS WITH PRINTER
- PC SOFTWARE FOR DATA STORAGE
- DATE & TIME
- ALIBI MEMORY



Packaging and Weight (see page 38)

MCWX2GD

ATEX CRANE SCALES



Stainless steel crane scale for weighing in ATEX hazardous areas (zone 1 and 21, 2 and 22).

Choose it because:

- Made with ATEX-certified components
- IP65 protection

Main Functions

- **WEIGHT TOTALISATION**
- **UNIT CONVERTER:** N/kg, kg/lb, free conversion factor
- **HOLD** (display freeze)
- **PEAK**
- **ZEROING**
- **TARE**
- **PRESET TARE**
- **PRINTOUT** (via optional repeater)
- **DATA TRANSMISSION TO PC** (via optional interface)

Version codes

Max. Capacity (kg)	d (kg)	M (kg)	d HR (kg)*	Product Code
600	-	0,2	-	MCWX2GD600M-x
1.500	-	0,5	-	MCWX2GD1T5M-x
3.000	-	1	-	MCWX2GD3TM-x
6.000	-	2	-	MCWX2GD6TM-x
600	0,2	-	0,1	MCWX2GD600-x
1.500	0,5	-	0,2	MCWX2GD1T5-x
3.000	1	-	0,5	MCWX2GD3T-x
6.000	2	-	1	MCWX2GD6T-x

d HR: Optional High-Resolution division only obtainable with the relative option EHR (see "Special Versions" table page 25).

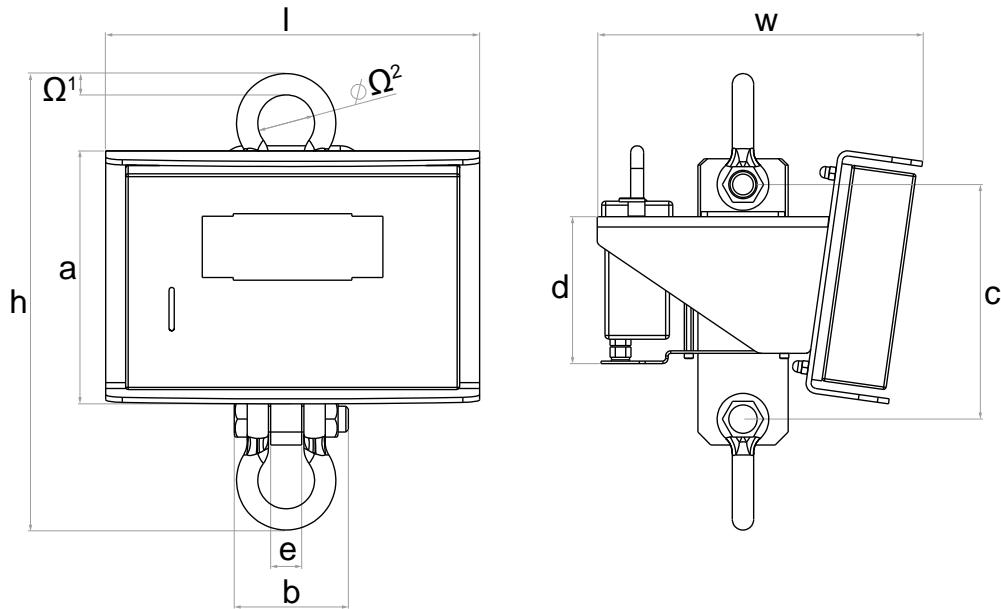
Technical Features

Security and compliances	Single security system, for the lifting and the weighing of the load	
Display	LCD display with 6 25-mm high contrast digits and icons for showing the active functions	
Brightness	-	
IP protection degree	IP65	
Accuracy	Internal use	± 0,1% of the max. capacity
	Legal for trade M	According Directive 2014/31/EU
Keypad	17-key waterproof	
Structure	AISI 304 stainless steel	
Remote control included	-	
Auto switch-off	5 min, programmable	
Power supply	Extractable rechargeable battery	
Operating time	About 160 h	
Battery recharge (in safe area)	Via a 230 Vac 50 Hz charger (8 h for full recharge) with EU plug	
Operating temperature range	-10 / +40 °C	
Transport case	-	
Communication	-	
Shackles & Hooks	(See page 29 - 33 for technical info)	

Certifications

- 2006/42/EU (Machine Directive)
- 2014/30/EU (EMC) Electric
- 2014/35/EU (LVD) Electric
- 2011/65/EU (RoHS) Hazardous substances
- 2014/31/EU Legal Metrology

Technical Drawing (mm)



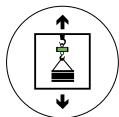
Code	PRODUCT DIMENSIONS								SHACKLE DIMENSIONS		
	I (mm)	W (mm)	h (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Model	Ω¹ (mm)	Ω² (mm)
MCWX2GD600M-x	290	252	353	196	88	182	114	24	GR3	16	43
MCWX2GD1T5M-x	290	252	353	196	88	182	114	24	GR3	16	43
MCWX2GD3TM-x	290	252	353	196	88	182	114	24	GR3	16	43
MCWX2GD6TM-x	290	252	365	196	88	182	114	24	GR6	22	58
MCWX2GD600-x	290	252	353	196	88	182	114	24	GR3	16	43
MCWX2GD1T5-x	290	252	353	196	88	182	114	24	GR3	16	43
MCWX2GD3T-x	290	252	353	196	88	182	114	24	GR3	16	43
MCWX2GD6T-x	290	252	365	196	88	182	114	24	GR6	22	58

Options

- HIGH RESOLUTION
- ADDITIONAL ATEX BATTERY FOR 24/7 USE
- SWIVELLING BOTTOM HOOK
- CONNECTION RING



Packaging and Weight (see page 38)



Fitted with protective transport case.

Compact crane scale with battery power supply, also rechargeable, for 24/7 use.

Choose it because:

- The most compact of its series
- Light and easy to install and remove
- Fitted with transport case and remote control as standard

Main Functions

- **WEIGHT TOTALISATION**
- **UNIT CONVERTER:** N/kg, kg/lb, free conversion factor
- **HOLD** (display freeze)
- **PEAK**
- **ZEROING**
- **TARE**
- **PRESET TARE**
- **PRINTOUT** (via optional repeater)
- **DATA TRANSMISSION TO PC** (via optional interface)

Version codes

Max. Capacity (kg)	d (kg)	M (kg)	Product Code
1.500	-	0,5	MCWNT1M-x
3.000	-	1	MCWNT3M-x
6.000	-	2	MCWNT6M-x
9.000	-	5	MCWNT9M-x
300 - 600 - 1.500	0,1 - 0,2 - 0,5	-	MCWNT1-x
600 - 1.500 - 3.000	0,2 - 0,5 - 1	-	MCWNT3-x
1.500 - 3.000 - 6.000	0,5 - 1 - 2	-	MCWNT6-x
3.000 - 6.000 - 9.500	1 - 2 - 5	-	MCWNT9-x

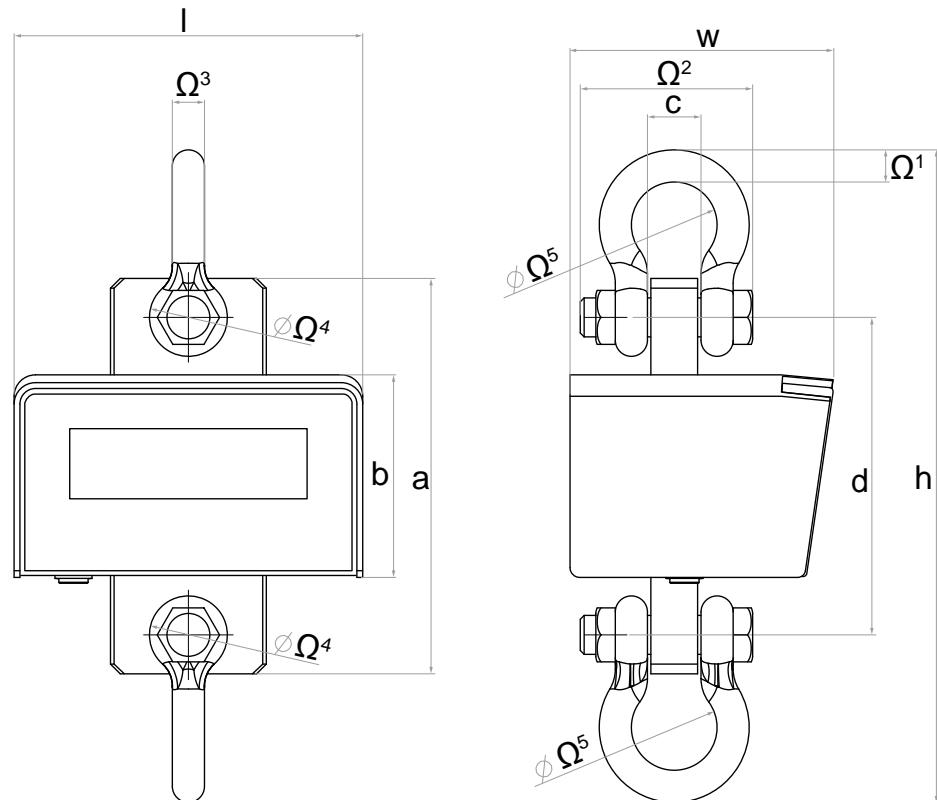
Technical Features

Security and compliances	Single security system, for the lifting and the weighing of the load	
Display	25 mm LCD backlit display	
Brightness	Adjustable brightness intensity	
IP protection degree	IP54	
Accuracy	Internal use	± 0,03% of the max. capacity
	Legal for trade	According Directive 2014/31/EU
Keypad	5-key waterproof	
Structure	Oven-fire painted steel	
Remote control	Infrared remote control for up to 8 m distance use	
Auto switch-off	5 min, programmable	
Power supply	4 AA batteries or rechargeable battery	
Operating time	About 40 h	
Battery recharge	Optional	
Operating temperature range	-10 / +40 °C	
Transport case	Included; dimension 175 x 480 x 390 mm (w x l x h)	
Communication	Optional radio-frequency or Bluetooth	
Printer	As option, with weight repeater	
Shackles & Hooks	(See page 29 - 33 for technical info)	

Certifications

- 2006/42/EU (Machine Directive)
- 2014/30/EU (EMC) Electric
- 2014/35/EU (LVD) Electric
- 2011/65/EU (RoHS) Hazardous substances
- 2014/31/EU Legal Metrology

Technical Drawing (mm)



Code	PRODUCT DIMENSIONS							SHACKLE DIMENSIONS					
	I (mm)	W (mm)	h (mm)	a (mm)	b (mm)	c (mm)	d (mm)	Model	Ω ¹ (mm)	Ω ² (mm)	Ω ³ (mm)	Ω ⁴ Ø (mm)	Ω ⁵ Ø (mm)
MCWNT1-x	180	136	368	246	104	27	196	GR3	16	88,5	16	40	43
MCWNT3-x	180	136	423	246	104	37	186	GR6	22	121	22	55	58
MCWNT6-x	180	136	423	246	104	37	186	GR6	22	121	22	55	58
MCWNT9-x	180	142	488	246	104	46	180	GR9	29	142	29	67	74

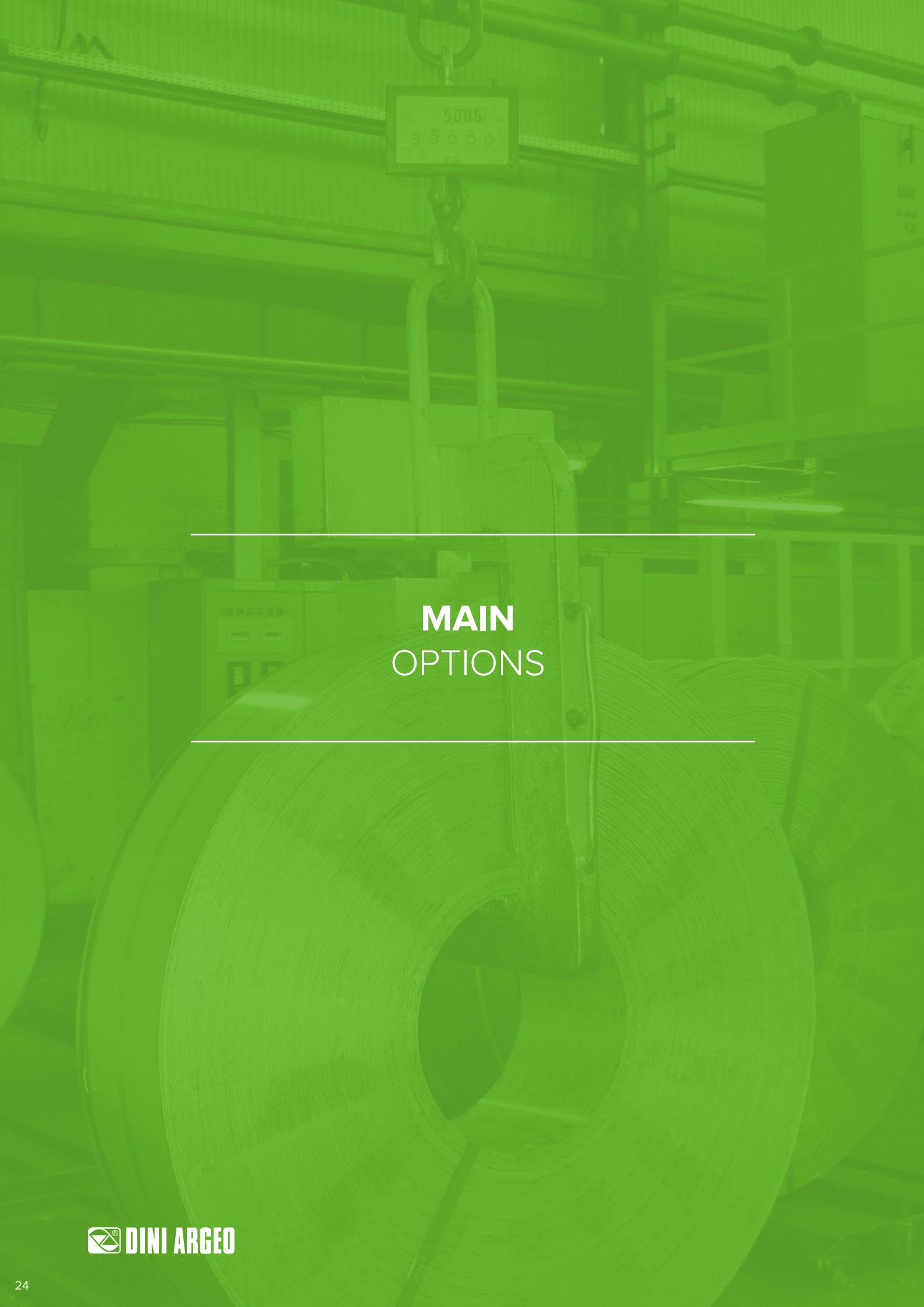
Options

- INTEGRATED RECHARGEABLE BATTERY
- BLUETOOTH INTERFACE
- RADIO 868 MHz INTERFACE
- PC SOFTWARE FOR DATA STORAGE

- WEIGHT REPEATERS WITH PRINTER
- DATE & TIME
- ALIBI MEMORY
- CONNECTION RING



Packaging and Weight (see page 38)



MAIN OPTIONS

 **Calibration Service**

	MCWHU	MCW09	MCW	MCWX2GD	MCWN	Description	Code	
ISO 17025 CALIBRATION CERTIFICATE (only at time of order)			<input type="radio"/>			For capacity from 61 kg up to 300 kg.	CT5	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	For capacity from 301 kg up to 1.500 kg.	CT6	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	For capacity from 1.501 kg up to 3.000 kg.	CT7	
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	For capacity from 3.001 kg up to 6.000 kg.	CT8	
		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	For capacity from 6.001 kg up to 25.000 kg.	CT9	
		<input type="radio"/>	<input type="radio"/>			For capacity from 25.001 kg up to 35.000 kg.	CT10	
		<input type="radio"/>				For capacity from 35.001 kg up to 50.000 kg.	CT11	

 **Special Versions**

	MCWHU	MCW09	MCW	MCWX2GD	MCWN	Description	Code	
HIGH RESOLUTION		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		d HR High resolution model for internal factory use. ⚠ Available at time of order only.	EHR	

 **Accessories**

	MCWHU	MCW09	MCW	MCWX2GD	MCWN		Description	Code	
RED LED DISPLAY			<input type="radio"/>				Super-bright 40 mm red SMD LED display. It includes kit for 24/7 continuous use. ⚠ Available at time of order only.	MCWLBR2	
THERMAL SHIELD	<input type="radio"/>						Thermal protection shield (Up to 80° C).	MCWHSH-x	

Optional



Packaging and Weight (see page 38)

 Installation at time of order.

(PRODUCT CODE-x): For the current code version please refer to www.diniargeo.com

⬅ Options for Communication

	MCWHU	MCW09	MCW	MCWX2GD	MCWN			For Emitter		For PC		INDOOR		OUTDOOR		PLUG	Code	
BLUETOOTH INTERFACE	o	o	o	o	o			✓			10	10	AMP	BLTH-x				
Wi-Fi	o	o	o					✓			70	70	AMP	WIFITPWLK-x				
BUILT-IN 2.4 GHZ RADIOFREQUENCY MODULE*	o	o	o					✓			45	140	AMP	RF2G4				
BUILT-IN 2.4 GHZ RADIOFREQUENCY MODULE**			o					✓			45	140	AMP	RF2G4-1				
RADIO 868 MHZ Emitter				o				✓			70	150	AMP	RFITRTTL-x				
RADIO 868 MHZ RECEIVER	o	o	o	o	o				✓		70	150	USB	OBRFUSB-x				
ALIBI MEMORY 	o	o	o	o	o			✓	Alibi memory (fiscal memory, max. 120.000 weighs) with integrated real time clock.					ALMEM-x				
DATE & TIME	o	o	o	o	o			✓	Real time clock for printing/displaying of date and time.					DFCLK				
PC SOFTWARE FOR DATA STORAGE	o	o	o	o	o			PC program to record all weighings in real time. ⚠ Price is intended for one scale only.					SWM					

* MCWxxxR2-1 only supports RF2G4 interface.

** MCWxxxR2-2 only supports RF2G4-1 interface.

	MCWHU	MCW09	MCW	MCWX2GD	MCWN			APPLICATION	DISPLAY		h (mm)		PRINTER		RADIO MODULE	Code	
WEIGHT REPEATERS RADIO MODULE***	For all models				Mobile	NUM		25				✓		DFWPM2G4			
	For all models				Wall	ALPHA		110				✓		GLR100-2G4			
WEIGHT REPEATERS***	For all models				Wall	NUM		100				✓		DGT100R			
	For all models				Table	NUM		25		✓		optional		DFWKXP			

*** Other types of repeaters can be connected on request. For further information please contact the sales department.

o Optional



Packaging and Weight (see page 38)

Installation at time of order.

(PRODUCT CODE-x): For the current code version please refer to www.diniargeo.com

 Printers

	MCWHU	MCW09	MCW	MCWX2GD	MCWN		Description	Code	
INTEGRATED PRINTER		○					Thermal printer integrated to the crane scale.	TPRPR2	

 Batteries and Battery Chargers

	MCWHU	MCW09	MCW	MCWX2GD	MCWN		Description	Code	
24/7 USE KIT		○	○				Extractable battery kit and battery charger Plug: EU-UK-US. ⚠ Cannot match with MCW09T50.	MCWKBK	
		○					Extractable battery kit and battery charger for MCW09T50. Plug: EU-UK-US.	MCWKBK50	
ADDITIONAL RECHARGEABLE BATTERY				○			Integrated battery kit and battery charger Plug: EU-UK-US. ⚠ Available at time of order only. It substitutes AA DRAWER.	NIMHBKR 	
			○				Additional ATEX battery for 1 & 21 zones.	DFWBP76ATEXD	
	○						Additional battery.	MCWHBK-x	

○ Optional



Packaging and Weight (see page 38)

 Installation at time of order.
(PRODUCT CODE-x): For the current code version please refer to www.diniargeo.com

PRINTING EXAMPLES

MCW crane scale can be equipped (as standard) with an integrated printer.

The other models (**MCWN**, **MCW09**, **MCWHU** and **MCWX2GD**) can print via the standard repeater.

Languages available for printing:

- Italian
- English
- German
- French
- Spanish
- Portuguese

Example of ticket / Label

MARIO ROSSI SRL VIA DELL'INDUSTRIA, 20 41042 - FIORANO (MO) - ITALY WWW.MARIOROSSI.IT		Heading
WEIGHING NR.	1	Progressive weighingnumber (for accumulation modes)
GROSS	15.000 kg	Weight data
TARE	3.000 kg	
NET	12.000 kg	
TICKET NR.	54321	Progressive ticket number
05/08/2020 15:39:03		Date and time
		
Barcode 39		

Example of packing list

MARIO ROSSI SRL VIA DELL'INDUSTRIA, 20 41042 - FIORANO (MO) - ITALY WWW.MARIOROSSI.IT	
WEIGHING NR.	00000001
NET	1.000 kg
WEIGHING NR.	00000002
NET	1.000 kg
WEIGHING NR.	00000003
NET	1.000 kg
WEIGHING NR.	00000004
NET	1.000 kg
WEIGHING TOTAL	00000004
TOTAL NET	4.000 kg
TICKET NR.	12345
09/05/20 15:39:03	

Shackles, Swivel Hooks, Eye Hooks and Connection Rings

The table shows the accessories whose capacity is closest to the indicated crane scale.
To know the complete range of accessories visit our website www.diniargeo.com.

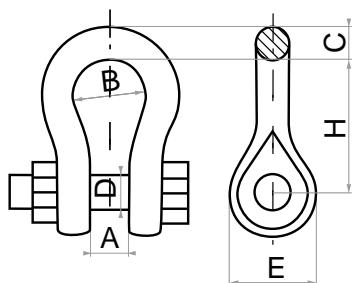
		SHACKLES	SWIVEL HOOKS	EYE HOOKS	CONNECTION RINGS
					
MCWHU	MCWHU6...	-	GG7	GOA8	CA8
	MCWHU10...	-	GG11	GOA11	CA15
	MCWHU15...	-	GG15	GOA16	CA15
	MCWHU25...	-	GG30	GOA30	CA30
MCW09	MCW09T3...	GR6	GG4	GOC3200	CA4
	MCW09T6...	GR6	GG7	GOA8	CA8
	MCW09T9...	GR9	GG11	GOA11	CA15
	MCW09T12...	GR12	GG15	GOA16	CA15
	MCW09T17...	GR17	GG22	GOA30*	CA30
	MCW09T25...	GR25	GG30	-	CA30
	MCW09T30...	GR35	GG30	-	CA40
	MCW09T50...	GR55	-	-	-
MCW	MCW150MR2...	GR3	-	GOC1	CA2
	MCW300MR2...	GR3	-	GOC1	CA2
	MCW300R2...	GR3	-	GOC1	CA2
	MCW600MR2...	GR3	-	GOC1	CA2
	MCW600R2...	GR3	-	GOC1	CA2
	MCW1500MR2...	GR3	-	GOC1	CA2
	MCW1500R2...	GR3	-	GOC1	CA2
	MCWX2GD600...	GR3	GG1T5	GOC1	CA2
MCWX2GD	MCWX2GD1T5...	GR3	GG1T5	GOC1	CA2
	MCWX2GD3T...	GR3	GG4	GOC3200	CA4
	MCWX2GD6T...	GR6	GG7	GOA8	CA8
	MCWNT1...	GR3	GG1T5	GOC3200	CA2
MCWN	MCWNT3...	GR6	GG4	GOC3200	CA4
	MCWNT6...	GR6	GG7	GOA8	CA8
	MCWNT9...	GR9	GG11	GOA11	CA15

(*) Upon request.

All accessories are CE certified products.

CRANE SCALES ACCESSORIES | TECHNICAL DRAWINGS

Shackles

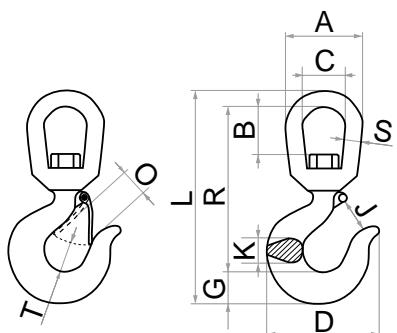


SHACKLES Dimensions (mm)

Code	Capacity (t)	A	B	C	D	E	H	Tolerance	Weight (kg)
GR3	3,25	27	43	16	19	40	70 \pm 3	\pm 5	1
GR6	6,5	37	58	22	26	55	97 \pm 6	\pm 5	2
GR9	9,5	46	74	29	32	67	124 \pm 6	\pm 5	3,5
GR12	12	52	83	32	35	76	137 \pm 6	\pm 5	5
GR17	17	60	98	38	41	92	166 \pm 6	\pm 5	9
GR25	25	73	127	45	51	110	204 \pm 6	\pm 5	14
GR35	35	83	146	51	57	127	225 \pm 6	\pm 5	21
GR55	55	105	184	63	70	153	302 \pm 20	\pm 5	43

All accessories are CE certified products.

Swivel Hooks



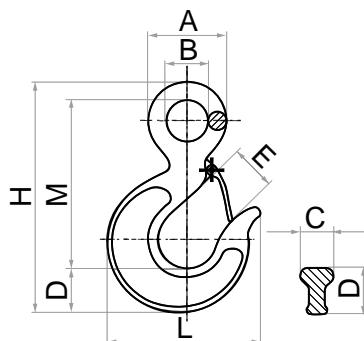
SWIVEL HOOKS Dimensions (mm)

Code	Capacity (t)	A	B	C	D	G	J	K	L	O	R	S	T	Tolerance	Weight (kg)
GG1T5	1,5	80	49	46	92	26,5	32	22,5	210	22	165	17	23,5	\pm 5	1
GG4	5	105	60	60	125	41	40	31	275	31	215	22	37	\pm 5	5
GG7	8	150	85	88	195	65	59	45	425	50	330	29	50	\pm 5	8
GG11	11,5	148	72	90	192	58	65	50	400	52	310	29	50	\pm 5	10
GG15	16	155	89	90	221	70	76	60	440	58	350	32	61,5	\pm 5	11
GG22	22	200	111	116	279	84,5	90	67	580	74	450	41	60,5	\pm 5	23
GG30	30	235	116	135	346	103	115	90	670	92,5	520	50	96,5	\pm 5	32

All accessories are CE certified products.

CRANE SCALES ACCESSORIES | TECHNICAL DRAWINGS

Eye Hooks

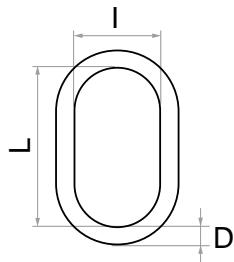


EYE HOOKS Dimensions (mm)

Code	Capacity (t)	A	B	C	D	E	H	L	M	Tolerance	Weight (kg)
GOC1	1,6	53	27	21	28	25	143	90	116	± 5	0,6
GOC3200	3,2	77	40	30	40	31	202	125	160	± 5	1,6
GOA8	8	98	51	40	48	43	256	160	187	± 5	4
GOA11	11	120	62	45	58	50	316	192	230	± 5	7
GOA16	16	138	72	55	64	56	356	222	256	± 5	10
GOA22	22	169	89	65	76	80	434	280	318	± 5	17
GOA30	30	180	90	82	102	88	505	320	357	± 5	30

All accessories are CE certified products.

Connections Rings



CONNECTIONS RINGS Dimensions (mm)

Code	Capacity (t)	D Ø	L	I	Tolerance	Weight (kg)
CA2	2	15	105	60	± 5	0,4
CA4	5	20	135	75	± 5	0,8
CA8	8	25	180	100	± 5	2,1
CA15	18	33	215	130	± 5	4,2
CA30	32	45	340	180	± 5	13
CA40	40	48	355	185	± 5	16

All accessories are CE certified products.

CRANE SCALES ACCESSORIES | COMPATIBILITY

								
		GG1T5	GG4	GG7	GG11	GG15	GG22	GG30
Max. (t)		1,5	5	8	11,5	16	22	30
	GR3	3,25	✓	*	*	-	-	-
	GR6	6,5	-	✓	✓	✓	*	-
	GR9	9,5	-	✓	✓	✓	✓	*
	GR12	12	-	*	*	✓	✓	✓
	GR17	17	-	-	-	-	✓	✓
	GR25	25	-	-	-	-	*	*
	GR35	35	-	-	-	-	-	-
	GR55	55	-	-	-	-	-	-

								
		GOC1	GOC32000	GOA8	GOA11	GOA16	GOA22	GOA30
Max. (t)		1,6	3,2	8	11	16	22	30
	GR3	3,25	-	*	✓	-	-	-
	GR6	6,5	-	-	-	✓	*	-
	GR9	9,5	-	-	-	-	✓	✓
	GR12	12	-	-	-	-	✓	✓
	GR17	17	-	-	-	-	-	*
	GR25	25	-	-	-	-	-	-
	GR35	35	-	-	-	-	-	-
	GR55	55	-	-	-	-	-	-

							
		CA2	CA4	CA8	CA15	CA30	CA40
Max. (t)		8	5	8	18	32	40
	GR3	3,25	✓	✓	*	-	-
	GR6	6,5	✓	✓	✓	*	-
	GR9	9,5	✓	✓	✓	✓	*
	GR12	12	✓	✓	✓	✓	*
	GR17	17	✓	✓	✓	✓	✓
	GR25	25	*	✓	✓	✓	✓
	GR35	35	-	✓	✓	✓	✓
	GR55	55	-	-	✓	✓	✓

✓ Compatible

- Not compatible

* Upon request only

CRANE SCALES ACCESSORIES | COMPATIBILITY

								
		GG1T5	GG4	GG7	GG11	GG15	GG22	GG30
Max. (t)		1,5	5	8	11,5	16	22	30
0	CA2	2	✓	✓	✓	✓	*	-
	CA4	5	*	✓	✓	✓	✓	-
	CA8	8	-	✓	✓	✓	✓	✓
	CA15	18	-	*	✓	✓	✓	✓
	CA30	32	-	-	-	*	✓	✓
	CA40	40	-	-	-	-	✓	✓

								
		GOC1	GOC3200	GOA8	GOA11	GOA16	GOA22	GOA30
Max. (t)		1,6	3,2	8	11	16	22	30
0	CA2	2	✓	✓	✓	✓	*	-
	CA4	5	✓	✓	✓	✓	✓	-
	CA8	8	*	*	✓	✓	✓	✓
	CA15	18	-	-	*	✓	✓	✓
	CA30	32	-	-	-	*	✓	✓
	CA40	40	-	-	-	*	✓	✓

✓ Compatible

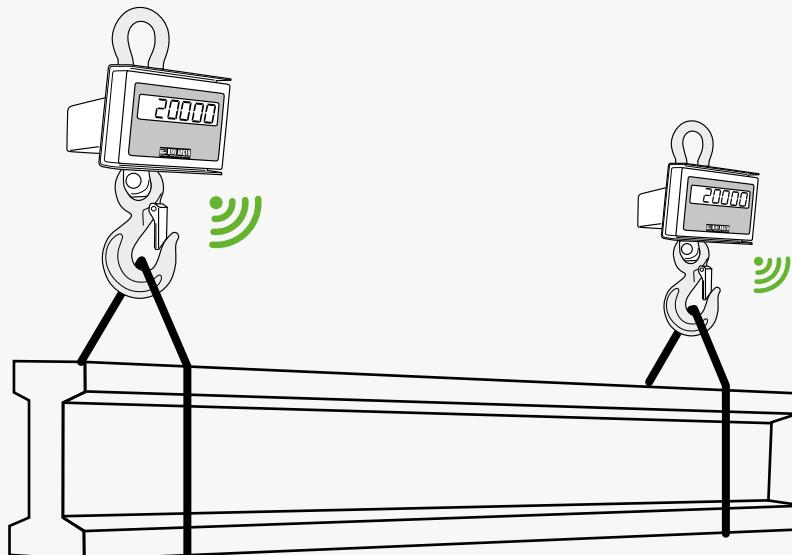
- Not compatible

* Upon request only

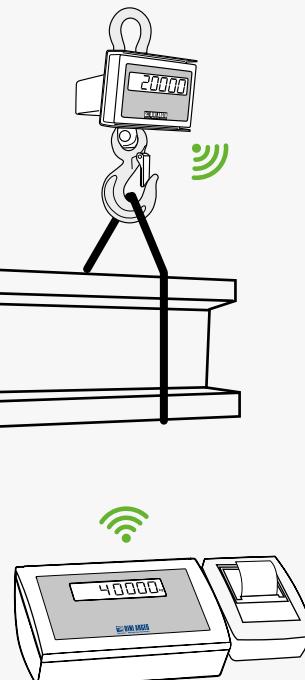
APPLICATION EXAMPLES

1.

Multi crane scale applications to weigh tubes, beams and other large loads.



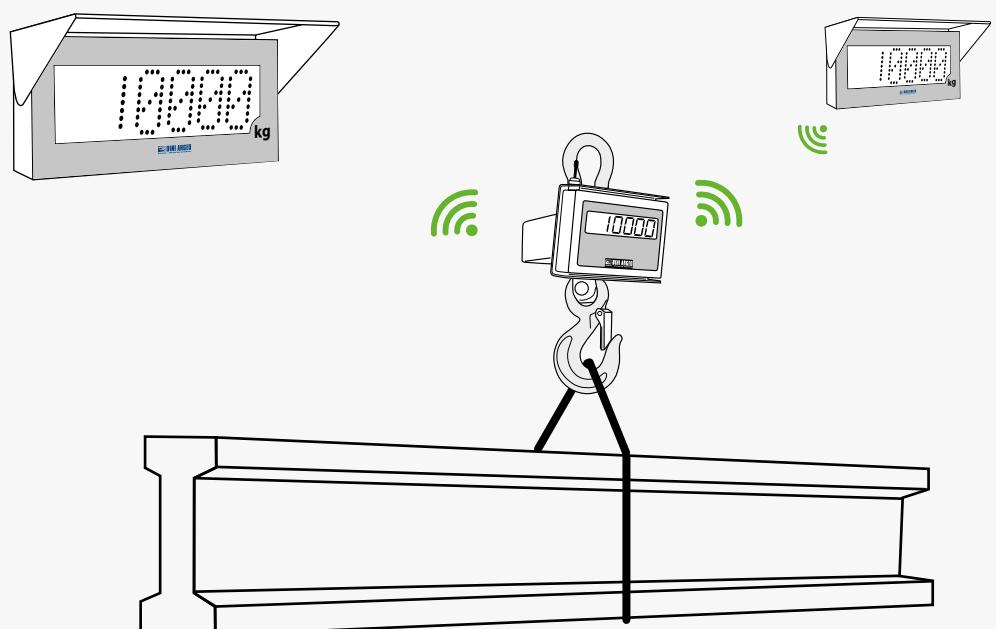
Weight repeater with large digital display for long distance viewing.



Weight repeater integrated printer.

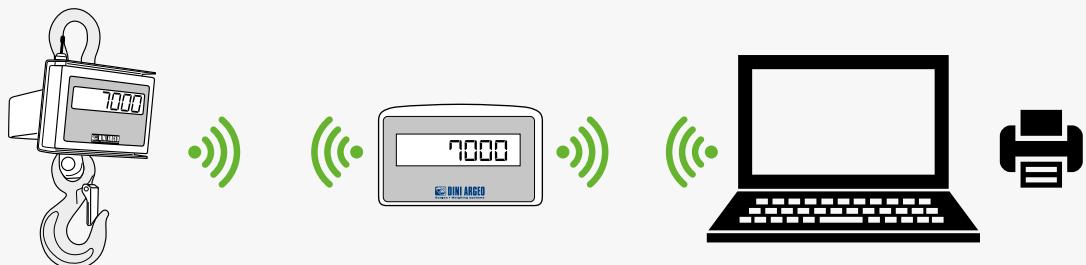
2.

Application using one crane scale and two or more repeaters, in order to read the weight from any direction and from different positions.



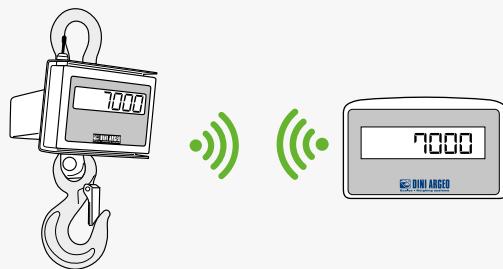
3.

Application with palm-sized weight repeater and real time data transmission, via radio to the PC.

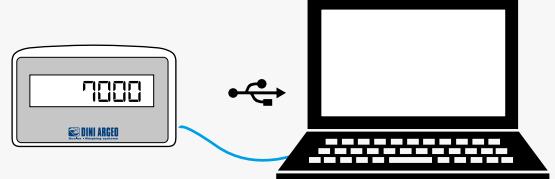
**4.**

Application with palm-sized weight repeater, with integrated weighing memory.

1. Weighing storage



2. Weighing download to PC at the end of the working day

**5.**

Network data transmission via Wi Fi.



BEYOND THE PRODUCT: DINI ARGEO SERVICE

In addition to designing and manufacturing its own MCW crane scales in compliance with the regulations in force, Dini Argeo offers its thirty years of experience in the field of weighing suspended loads, **providing the customer with the service of periodic inspection in accordance with the law**, in order to evaluate the state of wear and tear of every single part of the lifting apparatus.

BENEFITS FOR THE CUSTOMER

- More accurate controls
- Shorter inspection and maintenance times
- Spare parts always available and updated, original, certified and guaranteed, professionally installed by specialized personnel.

CONTROLS CONCERN

- The internal and external structure of the crane scale
- The load cell
- Hooks, shackles or connection rings supplied with the crane scale at the time of purchase.



The certificate issued at the end of the check certifies the suitability of the crane scale in every part and guarantees its safety until the next check.

In addition to periodic checks, Dini Argeo offers a crane scale calibration service, with relative certificate, essential for production processes with certified quality.

Thanks to specific machinery, the certificate is made by applying to the crane scale approved sample weights up to the maximum load capacity, obtaining measurements with a higher precision compared to the classic presses often used for the calibration of crane scales.

FAQ

CHOOSE THE RIGHT MODEL

1 Use: permanent installation or temporary use?

Choose the MCW "Hulk" model when necessary:

- Fit the dynamometer permanently to the lifting system
- Handle* and lift loads other than weighing.

Choose the MCW "Ninja" or MCW "Professional" models when necessary:

- Always have dynamometer on hand, to quickly weigh directly where needed.

2 Working environment: External or internal?

Choose MCW "Hulk" and MCW "Professional" models for use in outdoor or high humidity and harsh indoor environments. Choose the MCW "Ninja" model for indoor applications or temporary outdoor applications in compliance with their degree of protection.

3 How to choose the right capacity?

The nominal capacity of the crane scale must not be lower than the maximum capacity of the lifting device. For continuous heavy-duty use, it is recommended to choose over-sized capacities, even double that of the maximum load to be weighed.

4 What is the best accuracy?

Suspended weighing is the most accurate weighing system, because it cancels any friction and is not affected by the load shape. Nevertheless, it is important to remember that a dynamometer with an inadequate accuracy provides inaccurate weight measurements, which when multiplied by thousands of weighs a year, causes major losses. Certified weighing accuracy up to at least 0.05% of the lifting capacity allows the weighed material to be read properly.

5 Why choose compact sizes?

A dynamometer with a compact size allows the system's lifting space to be better used, and lets you easily weigh bulky items. The compact sizes also facilitate the handling manoeuvres.

6 For internal use or in relation with third parties?

When the weight detected by the dynamometer is used in relation with third parties, you must choose dynamometers approved in accordance with the metrological regulations.

* Consult the user manual for further details.

Product Weight with Shipment Packaging

	Product Code	Product Weight (kg)	Product Weight + Packaging (kg)	Packaging Dimensions (l x w x h) (cm)
MCWHU	MCWHU6M-x	80	106	70 x 66 x 69
	MCWHU10M-x	80	106	70 x 66 x 69
	MCWHU15M-x	80	106	70 x 66 x 69
	MCWHU6-x	80	106	70 x 66 x 69
	MCWHU10-x	80	106	70 x 66 x 69
	MCWHU15-x	80	106	70 x 66 x 69
	MCWHU25-x	80	106	70 x 66 x 69

	Product Code	Product Weight (kg)	Product Weight + Packaging (kg)	Packaging Dimensions (l x w x h) (cm)
MCW09	MCW09T3M-x	16,5	18,5	50 x 30 x 40
	MCW09T6M-x	16,5	18,5	50 x 30 x 40
	MCW09T9M-x	20	22	50 x 30 x 40
	MCW09T3-x	16,5	18,5	50 x 30 x 40
	MCW09T6-x	16,5	18,5	50 x 30 x 40
	MCW09T9-x	20	22	50 x 30 x 40
	MCW09T12-x	28	59	95 x 51 x 61
	MCW09T17-x	32	63	95 x 51 x 61
	MCW09T25-x	53	84	95 x 51 x 61
	MCW09T30-x	66	97	95 x 51 x 61
	MCW09T50-x	154	185	95 x 51 x 61

	Product Code	Product Weight (kg)	Product Weight + Packaging (kg)	Packaging Dimensions (l x w x h) (cm)
MCW	MCW150MR2-x	18	20	50 x 30 x 40
	MCW300MR2-x	18	20	50 x 30 x 40
	MCW600MR2-x	18	20	50 x 30 x 40
	MCW1500MR2-x	18	20	50 x 30 x 40
	MCW300R2-x	18	20	50 x 30 x 40
	MCW600R2-x	18	20	50 x 30 x 40
	MCW1500R2-x	18	20	50 x 30 x 40

	Product Code	Product Weight (kg)	Product Weight + Packaging (kg)	Packaging Dimensions (l x w x h) (cm)
MCWX2GD	MCWX2GD600M-x	20	22	50 x 30 x 40
	MCWX2GD1T5M-x	20	22	50 x 30 x 40
	MCWX2GD3TM-x	20	22	50 x 30 x 40
	MCWX2GD6TM-x	20	22	50 x 30 x 40
	MCWX2GD600-x	20	22	50 x 30 x 40
	MCWX2GD1T5-x	20	22	50 x 30 x 40
	MCWX2GD3T-x	20	22	50 x 30 x 40
	MCWX2GD6T-x	20	22	50 x 30 x 40

	Product Code	Product Weight (kg)	Product Weight + Packaging (kg)	Packaging Dimensions (l x w x h) (cm)
MCWN	MCWNT1M-x	9,8	10,8	48 x 19 x 38
	MCWNT3M-x	13,5	14,5	48 x 19 x 38
	MCWNT6M-x	13,5	14,5	48 x 19 x 38
	MCWNT9M-x	18,4	19,4	48 x 19 x 38
	MCWNT1-x	9,8	10,8	48 x 19 x 38
	MCWNT3-x	13,5	14,5	48 x 19 x 38
	MCWNT6-x	13,5	14,5	48 x 19 x 38
	MCWNT9-x	18,4	19,4	48 x 19 x 38

Dini Argeo dealer network:
over 3500 partners
in more than 130 countries across the world

“YOUR WORLDWIDE PARTNER
FOR WEIGHING”

WHY CHOOSE DINI ARGEO?



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



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.

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.dinargeo.com website
or by contacting Dini Argeo Customer Service.

SALES SERVICE AND TECHNICAL ASSISTANCE