

3590EGT

3590EGT "GRAPHIC TOUCH": Touch Screen weight indicator for industrial applications



Digital weight indicator with a big touch screen display, suitable for advanced industrial applications. It allows the visualization of all the weighing data and the customization of the screens, simplifying the user operations. Fitted with 3 serial ports, transmission protocols for data communication, completely configurable printouts, integrated alibi memory, and port for connection to barcode/badge reader. CE-M approvable (OIML R-76 / EN 45501).

**The best solution
for advanced industrial
applications**

MAIN FEATURES

- Backlit graphic display with touch screen technology, lxh= 120x90mm size.
- Multilanguage software.
- 15-key alphanumerical waterproof keyboard.
- 3-way control light.
- Selectable QWERTY, AZERTY or QWERTZ keyboard integrated in the touch screen.
- Stainless steel waterproof IP68 enclosure, new optional IP69K protection system.
- Dimensions: 280x143x185 mm.
- Suitable for use on the table, column, or wall.
- Real time clock and permanent data storage.
- Supplied with alibi memory, integrated on the motherboard.
- Slot for built-in micro SD for recording the configuration, logos, and customized screens (upon request).
- Functions available with DINITOOLS utility
 - Configuration, data entry and print formatting.
 - Recording and filing of all the information on PC.
 - Complete retrieval of the configuration.
 - Instrument calibration with numeric values.
 - Customization of the screens.
- 24-bit A/D converter, 4 channels, up to 3200 conv./sec. and up to 8 signal linearisation points.
- 4 independent analogue channels (up to 2 in the E-AF03 version) for reading of the weight.
- Connection with up to 16 analogue load cells of 350 Ohm (45 load cells of 1000 Ohm) and with the main digital load cells available on the market (mod. E-AF03).
- Management of the most common digital load cells for weigh bridges (with DIGIKIT option and AF03GT firmware), also for applications with CE-M approval.
- Up to 10.000e OIML or 3 x 3000e @ 0,3 μ V/e CE-M legal for trade.
- Up to 1.000.000 displayable divisions for internal factory use, with internal resolution up to 3.000.000 points.
- Connectable to printers and labellers with free programming of the printout formats.
- 110-240 Vac power supply.
- Operating temperature: -10 / 40 °C

MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134 (AF09)
- Australian legal for trade certificate of approval (NMI S788)

APPLICATION SOFTWARE

- SUPPLIED AS STANDARD:
- AF01: Totalization and formula weighing

OPTIONAL:

- AF02: Pieces/quantity counting
- AF03: Weighbridges - Input/Output vehicle
- AF04: Statistical checking of prepackaged goods
- AF05: Price computing and industrial labelling
- AF08: Wheel and axle static weighing with 2 or various platforms
- AF09: Dynamic and static axle weighing with 2 platforms
- BATCH1: Single product dosage systems in loading and unloading
- BATCH: Multicomponent dosage systems in loading and unloading (IOEXPB board must be included).

CUSTOMISED APPLICATIONS

Thanks to our integrated development, you can create complete customised applications in autonomy:

- wizards, operator messages
- serial port management, protocols customization
- digital I/O full management
- sequential or simultaneous automations
- data entry, custom archives

Dini Argeo can offer the service of custom development programs.

AVAILABLE LANGUAGES

- Menu selectable languages:
IT, EN, FR, DE, ES, PT, PL*

* Polish available only on EGT-AF01, EGT-AF02, EGT-AF03, EGT-AF04, EGT-AF09, EGT-BATCH1, EGT-BATCH

Code pages available for the translation of messages and screens, using the Custom Language Tool program (downloadable in the Download section):

- Windows 1252: EN, GA, IT, NO, PT, ES, SV, DE, FI, IS, FR, NL, SL
- Windows 1250: PL, CS, SK, HU, SL, SH, RO, SQ, EN, DE
- Windows 1251: RU, UK, BE, BG, SR, MK, EN
- Windows 1253: EL, EN
- Windows 1258: VI, EN, FR

IDEAL FOR DIGITAL APPROVED WEIGHBRIDGES

- The 3590EGT indicator with the AF03GT firmware manages the most common digital load cells for weigh bridges, even for CE-M approved applications:

Dini Argeo RCPTD

Dini Argeo RCD

Rice Lake RL5416D/RL5426D

Sensocar SP/CS

Scaime CB50X-DL

Flintec RC3D

HBM C16i (requires HBM junction box and RS422 converter\RS485)

Zemic DM-B4110, DM-B4310, DM-B4311, DM-E5310

For a complete list of supported load cells, refer to the AF03GT Weighing Program Technical Manual.

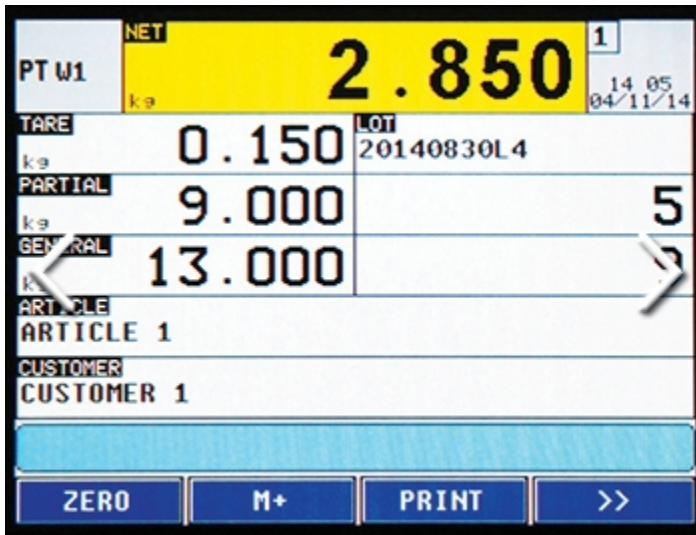
For efficient handling and optimal protection of digital load cells, the use of the DIGIKIT option is recommended.

I/O SECTION

- 2 RS232 serial ports, for connection to printer, PC or PLC, radio module and optional interfaces.
- 1 RS232 serial port (optional RS485), for connection to weight repeater, remote scale, badge reader or digital load cells.
- Fitted keyboard emulation input, for barcode/badge readers or external PC keyboard, through cable with mini DIN connector (optional).
- 4 optoisolated outputs (optional).
- 2 optoisolated inputs (optional).
- External Profibus or Modbus/TCP, interface (optional), for automation management.
- External Profinet, Ethernet/IP, EtherCAT, CANopen or DeviceNet interface (optional, only with standard AF01 weighing program).
- Modbus RTU Interface.
- Optional Bluetooth connection, for quick wireless programming of the activities and the formulas, through PC or tablet.
- Analog output DAC16O needs the expansion board IOEXPB.

COMPLETELY CUSTOMIZABLE SCREENS

- Thanks to the programmable Touch Screen Display, you can create custom-made interfaces for any application:



- The "Dini Display Tool" is a PC software which allows you to quickly customize the TOUCH SCREEN.



DETAIL 1



3590EGT with IP65 INOX printer

DETAIL 2





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