

## 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, OIML R-51 - OIML R-61 - MID for dynamic check weigher AWI).

**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 DINI TOOLS 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  $\mu$ 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 R-51 - MID automatic checkweighers (require "CHECK" firmware option)
- OIML R-61 - MID automatic filling machines (require "BATCH1-R61" firmware option)
- 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).
- BATCH-R61: Single product dosage systems in loading and unloading

## 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)

*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

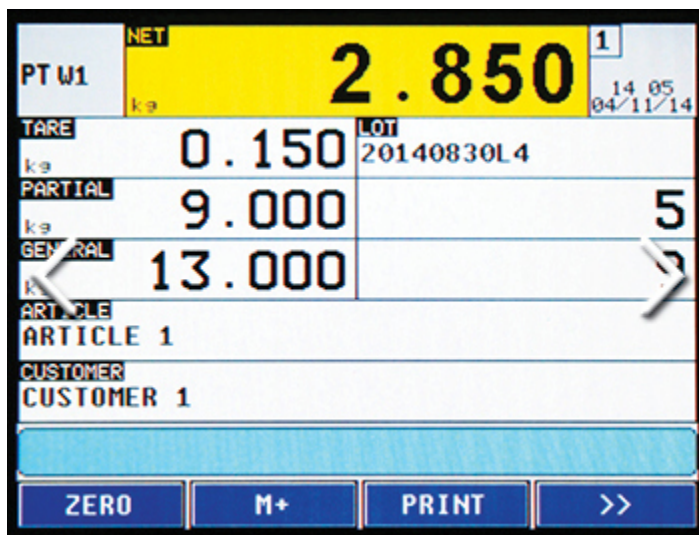
- 2 RS232 serial ports, for connection to printer, PC or PLC, radio module and optinal interfaces.
- 1 RS232 serial port (optional RS485), for connection to weight repeater, remote scale, badge reader or digital load cells.
- Fitted keyboard emulation input, for barcode/badge readers or external PC keyboard, through cable with mini DIN connector (optional).
- Modbus RTU Interface.
- Analog output DAC16O needs the expansion board IOEXPB.

Optionals:

- 4 optoisolated outputs.
- 2 optoisolated inputs.
- External Profibus or Modbus/TCP,interface, for automation management.
- External Profinet, Ethernet/IP, EtherCAT, CANopen or DeviceNet interface (optional, only with standard AF01 weighing program).
- Bluetooth connection, for quick wireless programming of the activities and the formulas, through PC or tablet.

## 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



“YOUR WORLDWIDE PARTNER FOR WEIGHING”

**DINI ARGEO**  
**FRANCE sarl**  
France

**DINI ARGEO**  
**GMBH**  
Germany

**DINI ARGEO**  
**UK Ltd**  
United Kingdom

**DINI ARGEO WEIGHING**  
**INSTRUMENTS Ltd**  
China

**DINI ARGEO**  
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