

3590ET

3590ET "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. Screens completely customizable.
 - Multilanguage software.
 - QWERTY, AZERTY or QWERTZ keyboard, selectable.
 - ABS waterproof enclosure, with new IP65 protection system (IP40 on version with thermal printer).
 - Dimensions: 278x125x186 mm.
 - Suitable for use on the table, column, or wall.
 - Real time clock and permanent data storage.
 - Fitted alibi memory, integrated on the motherboard.
 - Slot for built-in micro SD for recording logos (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).
- Specific version available, which provides the management of the most common digital load cells for weigh bridges (models 3590ETD and 3590ETD8).
- Up to 10.000e OIML or 3 x 3000e @ 0,3 $\mu\text{V/e}$ 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.

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

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*

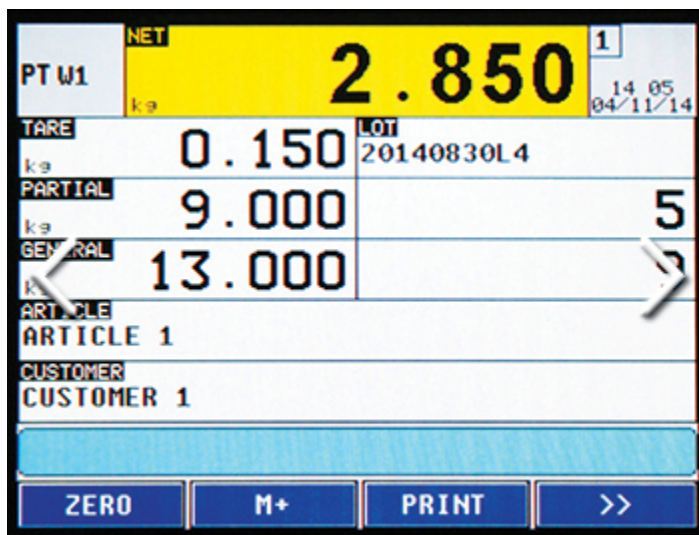
* Polish available only on EGT-AF01, EGT-AF02, EGT-AF03, EGT-AF04, EGT-AF09, EGT-BATCH1

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

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.



I/O SECTION

- 2 RS232 serial ports, for connection to printer, PC or PLC, radio module and optional interfaces.
- 1 RS232 serial port (RS485 optional), for connection to printer, 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.

Optionals:

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

DETAIL 1



3590ETP

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DINI ARGEO
UK Ltd
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