POSITIVE WEIGHING SOLUTIONS

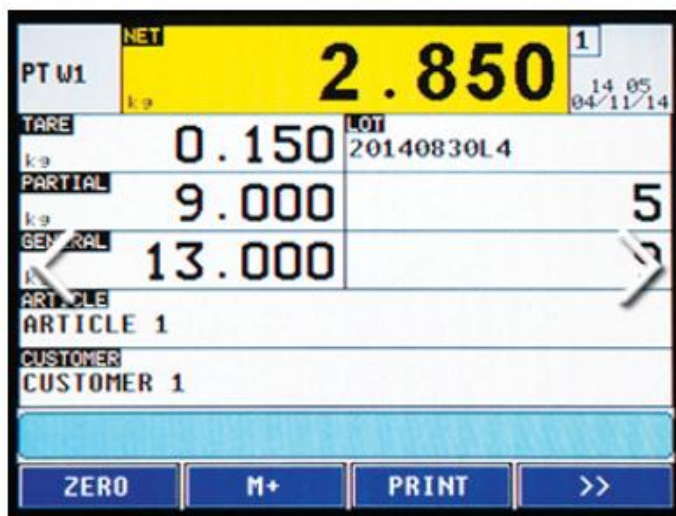# 3590ET8 "TOUCH": 8" Touch Screen weight indicator for industrial applications

Digital weight indicator with a big 8" 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, Ethernet port, 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).

MAIN FEATURES

- **Backlit graphic display with 8" touch screen technology**, lxh= 160x120 mm size. **Screens completely customizables.**
- **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 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.
- Specific version available, which provides the management of the most common digital load cells for weigh bridges (model 3590ETD8).
- 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).
- Up to 10.000e OIML or 3 x 3000e @ 0,3 µV/e CE-M legal for trade.

COMPLETELY CUSTOMIZABLES SCREENS

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

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

DDT
DINI Display Tool

- 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 programmation 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 compunting 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

I/O SECTION

- 1 internal Ethernet port as standard (if activated, it deactivates one serial port), to connect to the company network.
- 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.
- Modbus RTU Interface.

  Optionals:

- Fitted keyboard emulation input, for barcode/badge readers or external PC keyboard, through cable with mini DIN connector.
- 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, tablet or smartphone.

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