

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).

Working in cooperation with:

**P.R.S. TORFBUD DAWID SZOPA**

11 LISTOPADA 8 - 41500 - CHORZOW - POLAND  
Tel. 0048-322413522 Fax. 0048-322413522  
torfbud@wagielektroniczne.com.pl

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  $\mu$ 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\*

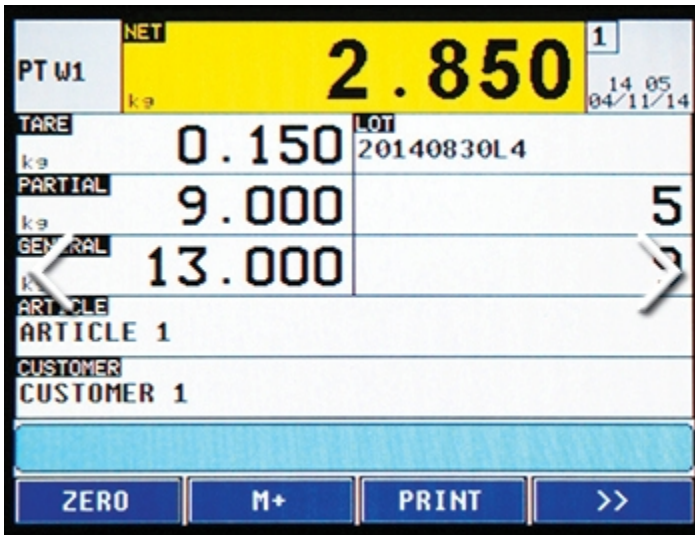
\* Polish available only on EGT-AF01, EGT-AF02, EGT-AF03, EGT-AF04, EGT-AF09, EGT-BATCH1

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).
- 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, tablet or smartphone.

## DETAIL 1



3590ETP



www.diniargeo.com

“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  
OCEANIA  
Australia



**COMPANY HEADQUARTERS**

Via Della Fisica, 20  
41042 Spezzano di Fiorano - Modena - Italy  
Tel. +39.0536 843418

**P.R.S. TORFBUD DAWID SZOPA**

11 LISTOPADA 8 - 41500 - CHORZOW - POLAND

Tel. 0048-322413522 Fax. 0048-322413522

torfbud@wagielektroniczne.com.pl

SALES AND TECHNICAL ASSISTANCE SERVICE