DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

3590ET8D

3590ET8D "TOUCH": 8" Touch Screen weight indicator for digital weighbridges



Digital weight indicator with large 8" touch screen display, suitable for advanced industrial applications. It allows the visualization of all the data related to the weighing and the personalization of the screens, greatly simplifying the operations of the user. Equipped with 3 serial ports, Ethernet port, transmission protocols for data communication, fully configurable printouts, integrated alibi memory and input for barcode/badge reader. CE-M approved (OIML R-76 / EN 45501).

The best solution for advanced industrial applications

MAIN FEATURES

- Power supply unit specifically for digital load cells.
- Protection board for power supply circuit and communication between digital load cells and self-resetting Surge Arresters.
- 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.
- 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 weighbridges, also for applications with CE-M approval.
- Up to 10.000e OIML or 3 x 3000e @ 0,3 µV/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 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)

APPLICATION SOFTWARE FOR WEIGHBRIDGES

- The indicator is equipped as standard with application program AF03GT, specific for weighbridges.

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

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

SUPPORTED DIGITAL LOAD CELLS

- The hardware of the 3590ET8D indicator in combination with AF03GT firmware supplied as standard. Allowing the management of the most common digital load cells on the market:

  Dini Argeo RCPTD
  Dini Argeo RCD
  Rice Lake RL5426D/5416D
  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 firmware technical manual.

COMPLETELY CUSTOMIZABLES 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

- 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/RS485 serial port, 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 interface (optional), for automation management.
- Modbus RTU Protocol.
- Optional Bluetooth connection, for quick wireless programming of the activities and the formulas, through PC, tablet or smartphone.

DETAIL 1



High resolution touch screen display, completely customizable.

DETAIL 2



Traffic light function integrated in the weight area for tolerance control

www.diniargeo.com



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SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.