DINI ARGEO
Scales - Weighing systems

3590EN

3590EN "NEUTRAL": INDICATOR WITH COMPLETELY CUSTOMIZABLE KEYBOARD AND SOFTWARE



OIML R76 Approved

Freely Programmable

COMPLETELY CUSTOMIZABLE high performance digital weight indicator, suitable for OEM application. Fitted with programmable inputs and outputs, 3 serial ports, transmission protocols for data communication, completely configurable printouts, integrated alibi memory, graphic display and port for connection to barcode/badge reader. The wide range of connectable accessories and printers guarantees the maximum interfaceability and versatility. CE-M approvable (OIML R-76 / EN 45501).

The best solution
for advanced industrial
applications

MAIN FEATURES

- 25-key alphanumerical waterproof keyboard, with:
  - completely customizable layout in the 3590EXPN version;
  - customized layout for vehicle weighing systems in the 3590EXPNAF03 version.
- Highly efficient red led display with 6 digits 15mm high.
- Backlit LCD graphic 25x100mm display.
- Synoptic bar graph with 16 bright LEDs showing the active functions.
- Easy to clean ABS waterproof IP65 enclosure; resistant to harsh and corrosive environments.
- 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.
- Development area for implementation of the customized application software.
- Functions available with DINITOOLS utility
  - Configuration, calibration, data entry and print formatting.
  - Recording and filing of all the information on PC.
  - Complete retrieval of the data saved for quick substitution.
  - Instrument calibration with numeric values.
- Selection of the programme language directly in the set-up.
- 24-bit A/D converter, 4 channels, up to 3200 conv./sec. and up to 8 signal linearisation points.
- 4 independent analogue channels 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.
- Up to 10.000e OIML or 3 x 3000e @ 0,3 µV/d 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.
- 110-240 Vac power supply; built-in rechargeable battery for use in absence of the power mains.

I/O SECTION

- Two RS232 serial ports, for connection to printer, radio module, PC or PLC, badge reader or remote scale, with management of the CTS signal.
- One RS232/RS485 serial port, for connection to printer, PC, PLC, or digital load cells.
- Fitted PC keyboard input, for barcode/badge readers or external PC keyboard, through cable with mini DIN connector (optional).
- 4 optoisolated outputs.
- 2 optoisolated inputs.
- Infrared ray input, for optional remote control.
- PROFIBUS

  External Profibus interface (optional), for automation management.
- Bluetooth

  Optional Bluetooth connection, for quick wireless programming of the activities and the formulas, through PC or PDA.

OPTIONS AVAILABLE ONLY AT TIME OF ORDER

- Attached thermal printer option box.
- Attached control light option box.
- Attached memory data printer option box for recording the weighs on the integrated memory.
- External radio module 868MHz option box.
- USB / Ethernet / Wi-Fi / Bluetooth communication.
- Infrared remote control or 433MHz radiofrequency remote control, with customizable functions of keys.
- Protection card against electric discharges and disturbances.

FULL CUSTOMIZATION OF THE INSTRUMENT

- 3590EN is an innovative product, designed to allow the customer to create his own INDICATOR based on a high level of electronic weighing, approved for legal for trade use.

- Customizing the keyboard
  The indicator is fitted with a waterproof neutral keyboard, upon which you can paste your layout, fully customizable with your logo and all the indications for the operator. Dini Argeo also offers the graphic design and printing of a customized keyboard service.

- Customizing the program
  The development area inside the indicator allows to easily create your own application software. The programming language is standard, one of the most common used in the programming field.
  Thanks to the many available functions, you can completely manage the user display, the keyboard (matching the features you want), create personalized work cycles, wizards, check and use the inputs/outputs and the communication interfaces for communicating with external systems.

DETAIL 1



3590EXPNAF03 indicator fitted with customized keybaord
and AF03 software, for vehicle weighing applications

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DINI ARGEO
Scales - Weighing systems

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