

## 3590EXP

3590EXP "ENTERPRISE": WEIGHT INDICATOR FOR ADVANCED INDUSTRIAL APPLICATIONS, in ABS IP65



High performance digital weight indicator, with 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 alphanumeric waterproof keyboard.
- 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 (IP40 on version with thermal printer).
- Dimensions: 278x125x186 mm.
- Suitable for bench, column or wall installation.
- Real time clock and permanent data storage.
- Fitted alibi memory, integrated on the motherboard.
- 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 (up to 2 in the E-AF03 version, 1 in the E-AF09 version) for reading of the weight.
- Management of 16 analog load cells of 350 Ohm (45 cells at 1000 Ohm);  
NOTE: for the management of digital load cells for weigh bridges, see the range of [touchscreen indicators](#).
- 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.
- Power supply:  
3590E version: 12 Vdc via external power supply.  
All other versions: 110-240 Vac and built-in rechargeable battery.
- Connectable to printers and labellers with the command drivers.
- Available in "P" version, fitted with attached printer as standard.

## 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

- [AF01](#): Totalization and formula weighing
- [AF02](#): Piece/quantity counting
- [AF03](#): Weighbridges - Input/Output vehicle
- [AF04](#): Statistical checking of prepackaged goods
- [AF05](#): Price computing and industrial labelling
- [AF08](#): Statis wheel and axle weighing with 2 or more pads
- [BATCH1](#): Single product dosage systems in loading and unloading

## CUSTOMISED APPLICATION PROGRAMS

Thanks to the integrated development area, you can create your own fully customized applications:

- guided procedures, messaging for the operator
- serial port management, customization of protocols
- full digital I/O management
- sequential or simultaneous automations
- data entry, tailor-made archives

Dini Argeo also offers the service of development of tailor-made programs, upon estimate.

## I/O SECTION

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



3590EPXP: Version with attached printer.



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