

## 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 DINI TOOLS 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)
- NMI S788 certificate

## APPLICATION SOFTWARE

- [AEQ1](#): Totalization and formula weighing
- [AEQ2](#): Piece/quantity counting
- [AEQ3](#): Weighbridges - Input/Output vehicle
- [AEQ4](#): Statistical checking of prepackaged goods
- [AEQ5](#): Price computing and industrial labelling
- [AEQ8](#): 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.



“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

**SERVICE ASSISTANCE**

Via Dell'Elettronica, 15  
41042 Spezzano di Fiorano Modena • Italy  
Tel. +39.0536 921784

SALES AND TECHNICAL ASSISTANCE SERVICE