

## 3590ED COLOUR: EVOLVED WEIGHT INDICATOR WITH 40mm DISPLAY

Digital weight indicator, with high performance 40mm RGB and very intense bright display, for a clear visibility in any environment, indoor or outdoor, thanks to colour and brightness freely configurable. Fitted with 3 serial ports, transmission protocols for data communication, completely configurable printouts, integrated alibi memory and port for connection to barcode/badge reader. The wide range of connectable accessories and printers guarantees the maximum interface ability and versatility. CE-MI approvable (OIML R-76 / EN 45501).



*3590ED: Weight indicator with 40mm very intense bright LEDs*

### MAIN FEATURES

- 25-key alphanumeric waterproof keyboard.
- **Very intense bright dot LED RGB, h=40mm, with intensity and colour quickly configurable through the keyboard.**
- Backlit LCD graphic 25x100mm display.
- Easy to clean **STAINLESS STEEL waterproof IP68** enclosure; resistant to harsh and corrosive environments.
- Dimensions: 280x132x185 mm.
- Suitable for use on the table, column, or wall.
- 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 filling 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.
- 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).**

- 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.
- Connectable to printers and labellers with the command drivers.
- 110-240 Vac power supply.

## 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 weight repeater, 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 opto-isolated outputs (**optional**).
- 2 opto-isolated 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.

## MAIN CERTIFICATIONS

EC Type Approval (EN45501), OIML R76, OIML R51 – MID, OIML R134 (AF09)

## APPLICATION SOFTWARE

- **AF01:** Totalisation and formula weighing
- **AF02:** Pieces/quantity counting
- **AF03:** Weighbridges - Input/Output vehicle
- **AF04:** Statistical checking of pre-packaged 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 customisation
- digital I/O full management
- sequential or simultaneous automations
- data entry, custom archives

PWS can offer the service of custom development programs.

**Call Positive Weighing on 01684 561002 for more details.**