3590EXT "ENTERPRISE": WEIGHT INDICATOR FOR INDUSTRIAL APPLICATIONS, in STAINLESS STEEL IP68

High performance digital weight indicator, 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 interfaceability and versatility. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- 25-key alphanumerical 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 **STAINLESS STEEL waterproof IP68** enclosure; resistant to harsh and corrosive environments.
- Dimensions: 264 x 115 x 174 mm.
- Suitable for use on the table, column, or wall.
- Real time clock and permanent data storage.
- Fitted alibi memory, integrated on the motherboard.

Figure 1 3590EXT Stainless steel indicator

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.
- 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.

Figure 2 3590EXT with IP65 optional printer

110-240 Vac power supply; built-in rechargeable battery for use in prolonged absence of the power mains (incompatible with IOEXPB board).

APPLICATION SOFTWARE

- **AF01**: Totalization and formula weighing
- **AF02**: Pieces/quantity counting
- **AF03**: Weighbridges - Input/Output vehicle
- **AF04**: Statistical checking of prepackaged goods
- **AF05**: Price compunting 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
- **BATCH**: Multicomponent dosage systems in loading and unloading
- **CHECK**: Weight packages on a conveyor belt functions
- **BELT**: Reading/regulation function of the flow on the weighing belt
- **LW**: Continuous dosage in unloading

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

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 or digital load cells.
- Fitted keyboard emulation input, for barcode/badge readers or external PC keyboard, through cable with mini DIN connector (optional).
- 4 (16 in the IO versions) optoisolated outputs **(optional)**.
- 2 (8 in the IO versions) optoisolated inputs **(optional)**.
- External Profibus interface (optional), for automation management (depending on the software program).
- Modbus RTU Protocol.

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