

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



3590E: High performance digital weight indicator for industry

High performance digital weight indicator, 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).

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.
- 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.
- **Functions available with DINITOOLS utility**
 - Configuration, calibration, data entry and print formatting.
 - Saving and filing of all the information on PC.
 - Complete retrieval of the data saved for quick substitution.
 - Instrument calibration with numeric values.
- **Easy Excel data entry:** the indicator communicates directly with the active Windows application (electronic spreadsheet, word processor, database).
- Selection of the programme language directly in the set-up.
- 24-bit A/D converter, 4 channels, up to 200 conv./sec. and up to 8 signal linearisation points.
- Up to 10.000e OIML or 3x3000e @ 0,3 μ V/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 prolonged absence of the power mains.
- **Management of up to 4 independent scales (up to 2 for the AF03 version).**
- Connectable with up to 16 analogue 350-Ohm (or 45 1000-Ohm) load cells.
- **Connectable with the main digital load cells available on the market (up to 16 cells).**
- Connectable to printers and labellers with the command drivers.

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

OPTIONS

- Attached thermal printer option box
- Attached control light option box
- Attached memory data printer option box
- Attached memory data printer and printer option box
- External radio modem 868MHz option box
- USB / Ethernet / Wi-Fi / Bluetooth interface

Available versions

Code	Description
3590EXP01CC	Weight indicator in the "AF01" version for totalization and dosage systems, with ABS IP65 case, 25-key keypad, LED display and backlit graphic LCD display.
3590EXP02CC	Weight indicator in the "AF02" version for quantity (pieces, litres, etc.) counting systems, with ABS IP65 case, 25-key keypad, LED display and backlit graphic LCD display.
3590EXP03CC	Weight indicator in the "AF03" version for vehicle weighing systems, with ABS IP65 case, 25-key keypad, LED display and backlit graphic LCD display.
3590EXP04CC	Weight indicator in the "AF04" version for statistical check of prepackaged goods, with ABS IP65 case, 25-key keypad, LED display and backlit graphic LCD display.
3590EXP05CC	Weight indicator in the "AF05" version for industrial price computing, with ABS IP65 case, 25-key keypad, LED display and backlit graphic LCD display.

3590EXP08CC Weight indicator in the "AF08" version for wheel weighing systems with 4 platforms or axle weighing systems with 2 platforms, with ABS IP65 case, 25-key keypad, LED display and backlit graphic LCD display.

Options only available at time of order	
Code	Description
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use
OBTPRP	Attached thermal printer in ABS option box for ...XP indicators with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter.
OBMDP	Attached thermal printer and memory data printer (fitted with a memory card) in ABS option box for ...XP indicators
OBMMC	Attached Memory Data Printer option box with memory card for easy storage and transfer of the weighs to any Personal Computer (complete of memory card); mounted attached to the indicators with ABS case
OBCLTP	Three way control light option box in ABS with programmable acoustic signal, graph bar controller, attached to the indicator
OBRF	External radio interface, fitted in ABS case with IP65 protection and a 3-metre cable, for weight indicator/repeater . Max. functioning distance in adequate conditions: 70m indoors, 150m outdoors. Up to 50 configurable channels (OBRF must be combined with another radio modem).
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.
OBRF232	868 MHz radio frequency module for PC with RS232 9-pole input, connectable to RS232 ports. Fitted with connection/power supply cable. Max. functioning distance in appropriate conditions: 70m indoors, 150m outdoors. 50 available channels, easily programmable from PC.
DFTL	Remote control for use up to 8m, configurable as a single tare key or four keys
BLTH	Bluetooth interface integrated with the instrument, for wireless connection to the portable PC or PDA.
WIFIT	WI-FI interface for wireless connection (through access point) to the company computer system.
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)
USBMB	USB interface, as an alternative of the standard connector, for quick connection of the indicator to PC
USBCABMB	USB cable for connection between indicator and PC (to be used with USBMB)
LCCBC	Shielded 6-pole cable, 50cm length, for connection to weight indicator, with AMP connector indicator side and 7-pole female solder connector.
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.
RSCBRJ	RS232/C connection cable (1.5m long) to PC including female 9-pole connector and RJ connector
KBCBCE	Cable with MINI DIN connector for connection between 3590E weight indicator and PC keyboard.
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).

Accessories	
Code	Description
CSP38I	Stainless steel support column for the indicators of the DINI ARGEO and SCALE HOUSE range. Dimensions 520 x 527 mm, 1026 mm high, tubular Ø = 38 mm.
CSP38D	Stainless steel support column with painted steel base, for the indicators of the DINI ARGEO and SCALE HOUSE range. Dimensions 350x350 mm, height 750 mm.
STFI	Stainless steel bracket for fixing to wall.
STFR	Stainless steel bracket for fixing on wall, with adjustable inclination
TM295	DOT MATRIX IMPACT PRINTER. 42 col., 60 char/sec., 2.3 lines/sec. Printing of 1 ticket + 2 copies, min. dimensions 80x80 mm. max. 182x270 mm. RS232/C input, 230 vac mains power supply. With 1.5m connection cable.
LX300	DOT MATRIX IMPACT PRINTER. 80 col., 337 char/sec, printing on plain paper and/or tickets, RS232/C input, 230 Vac mains power supply. With 1.5m connection cable.
LP542S	Thermal labeller with peel-off system, with 1,5 m RS232 cable for connection to weight indicator, external 100/240 Vac power adapter.
SMTPLUS	Professional industrial labeller with thermal or direct transfer, with 1,5 m RS232 cable for connection to weight indicator, internal 100/240 Vac power adapter.
SCCD	Bar code scanner connectable to the indicator through the IFKBRD serial interface; reads the main barcodes such as UPC/EAN, Code 39, Code 39 Full ASCII, Interleave 25, Code 128 and others; reading width of 60mm; max. reading distance: 20mm/20mil.
PCKBRD	Extended PC keyboard