

"3590E" series: WEIGHT INDICATOR FOR ADVANCED INDUSTRIAL APPLICATIONS



3590: 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

- 24-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 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.
- **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 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.
- 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
- Up to 4 optoisolated outputs
- Up to 2 optoisolated inputs
- Infrared ray input for optional remote control.

OPTIONS

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

Available versions

| Code | Description |
|-------------|---|
| 3590E03XPCC | 3590 series high performance digital weight indicator, in the AF03 version for vehicle weighing systems; ABS IP65 case. |

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 |
| 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). |
| PRNSERV | Configuration and custom-made printouts on OBTPR/TM295/LX300 printers. NET PRICE |
| APRNSERV | Configuration and custom-made printouts with LP542PLUS/TTP243/Witty280/Smart280 labellers at our premises; includes the formatting of up to 4 print formats from those available from the software (print, totalisation, article total, partial total, etc...). NET PRICE. For complex formatings (example like logo insertion, barcode, etc...) the cost will be upon price estimate. |

Accessories

| Code | Description |
|--------|--|
| CSP42I | STAINLESS steel support column for the DFW, 3590, TRS series' indicators. Easy to install and to clean. Adjustable feet, guaranteeing the maximum stability. |
| 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. |
| 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 |
| UKPLUG | Power adapter from Schuko to BS1363. |
| TECMAN | Printed technical manual (free, if downloaded from the web) NET PRICE |
| UMAN | Printed user manual (free, if downloaded from the web) NET PRICE |