

"3590XP": WEIGHT INDICATOR FOR INDUSTRY, IN IP65 ABS



3590XP: weighing indicator for industry (with optional remote control)

Versatile and high performing weight indicator. Some of its main features are: programmable inputs and relay outputs, up to 3 serial ports, transmission protocols, and completely configurable printouts. The 3590 XP offers a wide range of versions for industrial weighing: totalisation and formulation, counting, input/output weighing, industrial labelling, statistical control and dosage. The wide range of accessories and connectable printers guarantee the utmost interfaceability and versatility. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- 24-key alphanumeric waterproof keyboard.
- Highly efficient red LED 6 digits 15mm display.
- **Large alphanumeric backlit LCD display** with 2 lines of 16 char. each. 9 mm.
- 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: 278x130x186 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:** transmission of weight data and database fields to PC, with operating system Windows XP Professional, without any added software.
The indicator communicates directly with the active Windows application (electronic spreadsheet, word processor, database).
- 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 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.
- Power supply 110-240 Vac; built-in rechargeable battery for using in extended absence of net voltage.
- **Manages up to 4 independent scales (up to 2 for the 3590XP03 model and up to 1 for the 3590XP09).**
- Connectable with up to 8 350-Ohm load cells or up to 24 1000-Ohm cells.
- Connectable to printers and labellers with fitted drivers.

I/O SECTION

- Configurable full-duplex RS232/C port for connection to printer, labeller, or with other external units.
- Configurable full-duplex RS232/C port (optionally RS485, RS422, USB, Ethernet) for PC, PLC; complete with RJ connector.
- Three 0.5A 48 Vac / 1A 24 Vdc relay outputs (NO or NC) which may be configured as programmable weight thresholds or as +/- check.
- 2 optoisolated inputs configurable as remote function keys.
- IR input for remote control.

Available versions

| Code | Description |
|------------|--|
| 3590XPCC | 3590 XP series weight indicator, in multifunction version for industrial automation; ABS IP65 case. |
| 3590XP01CC | 3590 XP series weight indicator, with "AF01" version for Totalisation and dosage systems; ABS IP65 case; |
| 3590XP02CC | 3590 XP series weight indicator, with "AF02" version for Quantity (pieces, litres, etc.) Counting systems; ABS IP65 case. |
| 3590XP03CC | 3590 XP series weight indicator, with "AF03" version for Vehicle weighing systems; ABS IP65 case. |
| 3590XP04CC | 3590 XP series weight indicator, with "AF04" version for systems with Statistical control of Prepackaged goods; ABS IP65 case. |
| 3590XP05CC | 3590 XP weight indicator, with "AF05" version for Industrial Price Computing/Labelling systems; ABS IP65 case. |
| 3590XP09CC | 3590 XP indicator, "AF09" version for static or dynamic axle weighing systems; in IP65 ABS 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 |
| OBMCC | 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. |
| 35ALMEM | Alibi memory (fiscal memory) max. 120.000 weighs |
| 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 |
| DAC160 | Analogue output with D/A 16 bit converter, configurable from 0 to 10Vdc or from 0 to 20mA; Maximum applicable resistance on the output in current is equal to 350 Ohm; minimum applicable resistance on the output in voltage equal to 10KOhm |
| USBCABMB | USB cable for connection between indicator and PC (to be used with USBMB) |
| 35RS485 | RS485 port option |
| 35RS422 | RS422 bidirectional port option |
| 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. |
| RSCBWTY | RS232/C cable 1.5 m long for connecting the WTY/SMT series' printers to the weight indicator. |
| RSCBRJ | RS232/C connection cable (1.5m long) to PC including female 9-pole connector and RJ connector |
| IFKBRD | Serial interface for connection to PC keyboard / bar code reader (to be combined with KBCBC cable) and for remote scale serial connection |
| KBCBC | Cable with MINI DIN connector for PC keyboard connection (must be combined with IFKBRD serial interface) |
| 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 |
| 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. |
| LP542S | Thermal labeller with peel-off system: resolution of 8 dots/mm; max. label width of 112 mm; max. speed of 127 mm/sec; RS 232/C, parallel, and USB interface. Printing of the most common BARCODES. Power supply with external 100/240 Vac power adapter. Connection cable of 1,5 m. |
| SMT280 | Thermal labeller with resolution of 8 dots/mm, max. label width of 104 mm, max. printing length of 280 mm, max. 150mm label roll diameter, 120 mm/sec speed; RS 232/C interface. Prints most common BARCODES. 230 Vac power supply. With 1.5m connection cable. Fitted with editor for creating customised labels with PC; suitable for 3590.../TRS... series' indicators (supplied with 1 roll of 100x60 labels ET106T) |
| SMTPLUS | Professional industrial labeller, with thermal or direct transfer, connectable to 3590, CPW, and TRS weight indicators. Suitable for any industrial environment. |
| 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

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