

# "3590 KR": WEIGHT INDICATOR WITH TRANSPORT CASE



3590KR indicator complete with battery and transport case (optional printer)

## I/O SECTION

- RS232/C bidirectional port configurable for connection to printer, labeller, or with other external units.
- RS232/C (or optionally RS485 or RS422) bi-directional port configurable for PC, PLC, or with other external units.
- 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 managing optional remote control.

## OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Thermal printer
- Alibi memory
- RS485 or RS422 interface
- Ethernet interface
- WI-FI interface
- Input/output relay expansion
- 0-10V or from 0 to 20mA analogue output with 16bit D/A converter
- Input for PC keyboard
- Third RS232 serial port for remote scale management

**Multifunction digital weight indicator in Rack version complete with 4 connectors for linking the platforms, built-in rechargeable battery with charger, and case. The wide range of available versions, interfaces and accessories make these particularly suitable also in the most complex industrial applications. CE-M approvable (OIML R-76 / EN 45501).**

## MAIN FEATURES

- Easy to use 24-key waterproof keyboard.
- Main semialphanumeric highly efficient red LED display, with 6 digits 15 mm high.
- Secondary alphanumeric backlit LCD display with 2 lines of 16 char. each. Synoptic bar graph with 16 bright LEDs showing the active functions.
- ABS transport case, with housing for the indicator and space for extra accessories.
- 3590 XP series indicator fit in a metallic rack type involucro with dimensions of 270 x 440 mm, complete of housing for optional printer, connectors for platforms, and serial output on 9-pole connector.
- Dimensions: 325x460x170 mm; Total weight: about 5 kg.
- Permanent time/date and data storage.
- **Functions available with the DINITOOLS utility:**
  - Configuration, calibration, data entry and print formatting.
  - Saving and filing of all the information on PC, complete with the calibration data of each instrument.
  - Complete retrieval of the data saved for quick substitution.
  - Instrument calibration with numeric values.
- **Easy Excel data entry:** the weight data and the database fields may be transmitted to the 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).
- Calibration, set-up parameters, printouts, etc., all configurable from keyboard
- Up to 10.000e or multirange 3 x 3000e @ 0,3  $\mu$ V/d for CE-M approved legal for trade use.
- Up to 800,000 displayable divisions with internal resolution up to 3.000.000 points.
- Up to 8 signal linearization points.
- Digital calibration and Set-Up through keyboard or PC with DINITOOLS.
- A/D 24-bit 4-channel sigma-delta conversion, up to 200 conv./sec. autoselect.
- Fitted with 4 connectors for connection to 4 platforms (**up to 2 in the 3590KR03 model, up to 1 in the 3590KR09 model**).
- Connectable with up to 8 analogue load cells having 350 Ohm input resistance.
- Built-in rechargeable battery (10-hour minimum operating time, recharge in 8 hours) with fitted external 12 Vdc / 230 Vac adapter.
- Fitted with case with space for housing indicator and other accessories.
- Dimensions: 325x460x170 mm; Total weight: about 5 kg.

## Available versions

Code	Description
3590KR01	3590 KR series indicator with "AF01" version for Totalisation and dosage systems, complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.
3590KR02	3590 KR series indicator with "AF02" version for Quantity (pieces, litres, etc.) Counting systems, complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.
3590KR03	3590 KR series indicator with "AF03" version for Vehicle weighing systems, complete of ABS transport case, built-in rechargeable battery, <b>connection up to 2 platforms</b> , and battery charger.

- 3590KR04 3590 KR series indicator with "AF04" version for systems with Statistical control of Prepackaged goods, complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.
- 3590KR05 3590 KR series indicator with "AF05" version for Industrial Price Computing/Labeling systems, complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.
- 3590KR09 3590 KR indicator, with "AF09" version for static or dynamic axle weighing systems, **connection up to 1 platform**, built-in rechargeable battery, case, and battery charger.

#### Options only available at time of order

Code	Description
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use. NET PRICE.
OTPR	Thermal printer option with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter
OMMC	Memory Data Printer option (complete of MMC type card)
OTPVP	Thermal printer and memory data printer (for MMC type cards) option
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
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)
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)
35RS485	RS485 port option
35RS422	RS422 bidirectional port option
RSCBKRPC	RS232/C cable (1.5 m long) for connection to PC.
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)
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 formattings (example like logo insertion, barcode, etc...) the cost will be upon price estimate.
TECSUP	Technical assistance by telephone or at our premises for instrument configuration and printout formatting - NET HOURLY PRICE

#### Accessories

Code	Description
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