

## "TRSXP and TRSXT": WEIGHT INDICATORS FOR INDUSTRY



TRSXP: multifunction indicator for industrial applications, stainless steel ABS IP65.



TRSXT: multifunction indicator for industrial applications, stainless steel IP68 (with optional remote control).

Multifunction microcontroller / weight indicator for use in industrial systems; the fitted input/output, the wide range of functioning modes and the available serial commands allow a simple interfacing with PC and PLC, for creating weighing systems with management of automations.

CE-M approvable (OIML R-76 / EN 45501).

### MAIN FEATURES

- 6-key functional waterproof keyboard.
- Highly efficient red LED 6 digits 15mm display.
- **Large alphanumeric backlit LCD display** with 2 lines of 16 char. each.
- Synoptic bar graph with 16 bright LEDs showing the active functions.
- Easy to clean **ABS IP65** (for TRSXP) or **STAINLESS STEEL waterproof IP68** (for TRSXT) enclosure built to withstand harsh washdown and corrosive environments.
- Dimensions TRSXP: 278x130x186 mm; TRSXT: 264x120x174 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 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:** transmission of weight data and database fields to PC, with Windows XP Professional o.s., 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  $\mu$ 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.
- Digital calibration and Set-Up through keyboard or PC with DINITOOLS.
- Built-in rechargeable battery and built-in 110 - 240 Vac power adapter.
- **Manages up to 4 independent scales.**
- Connectable with up to 8 350-Ohm load cells or up to 24 1000-Ohm cells.
- Connectable to printers and labellers with fitted drivers.

### KEYBOARD AND PRINTING FUNCTIONS

- Zeroing, Print and/or data transmission command, function command.
- Automatic tare, presettable tare, Database of 100 recallable tares; lock/unlock tare function.
- Database of 200 articles with alphanumeric description of lines of 20 characters each (without weight totals).
- Lock/unlock keyboard function.
- 15 configurable and printable text ID's, each of 16 characters (for example: Code, Lot ID, operator ID, shift number, etc.).

#### Print functions:

- **Complete customisation of the printouts** with all the weight data and the database information of the scale.
- Programmable printing from keyboard or from PC (through DINITOOLS) of 4 print formats (Print key, First Totalization, Totalization, General total); each print format can contain 512 positions which can be simple ASCII codes or preconfigured print blocks (i.e. Weigh progressives, gross/tare/net weigh, date and time, etc.).

### SELECTABLE FUNCTIONS

- **Weighs totalisation - Formulation**
- **Set point +/- Check - Set Point Control on gross or net weights**
- **Alibi** (with optional interface)
- **Counting** (Max. resolution of 1.500.000 divisions)

#### OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Thermal printer / Control light / Radio modem / Memory data printer
- Alibi memory
- RS485 or RS422 or USB or Ethernet or WI-FI interface
- Input for PC keyboard or barcode reader
- Third RS232 serial port for remote scale / repeater management

- **In/Out Truck weighing**
- **Hold and Peak**
- **Peer-to-peer** (up to 4 remote connectable indicators)
- **High Resolution Weighing x 10**
- **Net/Gross - lb/kg conversion**

#### 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
TRSXPC	<b>TRS</b> version; ABS IP65 case; built-in battery; 110-240 Vac internal power adapter
TRSXTC	<b>TRS</b> version; Stainless steel IP68 case; built-in battery; 110-240 Vac internal power adapter

#### Options only available at time of order

Code	Description
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use
TPRXT	Attached thermal printer with IP65 stainless steel case and a cover door for protection from sprays and dust; for harsh or strict hygiene environments.
TPRMXT	Attached thermal printer with IP65 stainless steel case and a cover door for protection from sprays and dust; for harsh or strict hygiene environments. Fitted with a virtual printer (with a Memory Card) for saving the weighs.
OBTPRP	<b>Attached</b> 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.
OBTPRI	<b>Attached</b> thermal printer STAINLESS STEEL option box with >50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter
OBMMC	<b>Attached</b> 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
OBMMCI	Memory Data Printer option box in <b>Stainless Steel</b> with memory card for easy storage and transfer of the weighs to any Personal Computer (complete of memory card)
OBMDP	<b>Attached</b> thermal printer and memory data printer (fitted with a memory card) in ABS option box for ...XP indicators
OBCLTI	Three way control light STAINLESS STEEL option box with programmable acoustic signal, graph bar controller, attached to the indicator
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 <b>weight indicator/repeater</b> . 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
USBCABMB	USB cable for connection between indicator and PC (to be used with USBMB)
35RS485	RS485 port option
35RS422	RS422 bidirectional port option
35OPF	Board protection case inside the box
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).

### 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	<a href="#">Stainless steel bracket for fixing to wall.</a>
STFR	Stainless steel bracket for fixing on wall, with adjustable inclination
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.
PCKBRD	Extended PC keyboard