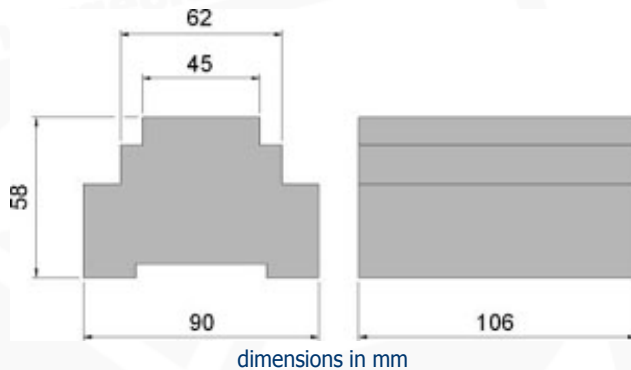


DGT: DIGITAL WEIGHT TRANSMITTER/INDICATOR



Digital weight transmitter/indicator, ideal as junction box.



dimensions in mm



SOFTWARE SCALEMONITOR

Scalemonitor is a simple and economical solution for receiving the weight data from PC to one or more scales, and making them suitable and sorting in the most common office format



discover
SCALEMONITOR

Multipurpose weight transmitter for panel mounting on DIN bar.

Ideal as an independent or dependent 4-channel digital junction box, permitting the direct reading and diagnostics of each connected load cell. The wide range of available interfaces, makes it easy to integrate the weighing with any automation system. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- Easy to use 5-key waterproof keyboard.
- Highly efficient red LED display with 6 10-mm digits and 6 LEDs for showing active functions.
- Case for mounting on DIN bar or on the wall.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS.
- Up to 10.000e or multirange 2 x 3000e @ 0,3 μ V/d in CE-M approved version for 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** with DINITOOLS (3 from keypad).
- A/D 24-bit sigma-delta conversion, up to 200 conv./sec. autoselect.
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- Management of a digitally equalised 4-cell weighing system or management of 4 independent weighing systems.
- From 12 Vdc to 24 Vdc power supply.

TRANSMITTER / INDICATOR: FUNCTIONS

- **THROUGH KEYBOARD:**
Zeroing; Semi automatic and presettable tare, print and/or data transmission; ON/Stand-by.
- **SELECTABLE:**
High Resolution Weighing x 10; Net/Gross or lb/kg conversion; Weighs totalisation; Formulation; Approved transmission of the weight to PC/PLC (with ALMEM Alibi memory option); Counting; In/Out Truck weighing; Hold e Peak.
- **EXTERNAL INPUT:**
Simulation of key pressure; Keyboard lock.
- **MOSFET OUTPUT:**
Set Point Control on the weight, either positive (in loading) or negative (in unloading), or on the pieces (counting mode), with programmable enabling/disabling thresholds, as direct check or upon weight stability.
- **SERIAL PORTS:**
On all models: Reading of the net, gross, and tare weights; Clearing; Semi automatic and presettable tare; Scale switch; Setting of outputs activation thresholds; Reading/Writing of Alibi Memory.
DGT4 and DGT4AN models: Reading of microvolts or ADC converter for all the channels; Message display; Printing; Setting of APW in counting mode; Simulation of key pressure; **MODBUS serial protocol.**
- **THROUGH 16 bit ANALOGUE OUTPUT (DGT4AN):**
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

MASTER/REPEATER OPTION (MSTSLV code)

Specific programme for use of the indicator as a universal weight repeater or as a multi-scale repeater (MASTER) in combination with DFW/DGT/MCW.



I/O SECTION

- RS232/C bidirectional port configurable for connection with

- **FUNCTIONING MODES:**
- **Multi-scale repeater (MASTER):**

external units.

- RS485 bidirectional port configurable for network connection.
- PROFIBUS serial interface (DGT4PB model).
- 2 photomosfet outputs: 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 2 optoisolator photocoupler inputs: 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (DGT4AN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice; maximum applicable voltage: 350 Ohm; minimum applicable voltage resistance: 10 kohm.

function which allows to repeat up to 32 independent scales, with the possibility of managing their functions, or displaying and printing the sum of the weighs of all the scales.

- **UNIVERSAL weight repeater:**

function which allows to repeat the weight of any scales, through the configuration of the input string.

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Printer for panel mounting.
- Real time clock.
- Alibi Memory.

Models available

Code	Description
DGT4	Weight indicator / Transmitter for panel mounting on DIN bar, with 5-key keypad, LED display, and standard weighing programme (not including the repeater modes).
DGT4AN	Weight indicator / Transmitter for panel mounting on DIN bar, with 5-key keypad, LED display, 16 bit analogue output, and standard weighing programme (not including the repeater modes).
DGT4PB	Weight indicator / Transmitter for panel mounting on DIN bar, with 5-key keypad, LED display, PROFIBUS port, and standard weighing programme (not including the repeater modes).

Options only available at time of order

Code	Description
DCATEXMB4	Declaration of ATEX conformity of the whole, Ex II 2GD IIC T6 T125°C X 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). ATEX CONFORMITY DECLARATIONS will be supplied in English.
KCEM	Kit of plates and Welmec form for the approval of the system for legal for trade use, for each provided platform/weighing system, connected to Dini Argeo indicator.
MSTSLV	Optional program for using the indicator as a universal weight repeater or as a multi-scale repeater (MASTER) in combination with the DFW/DGT/MCW (this option does not include the weighing functions).
TPRPC	Thermal printer for panel mounting for use with weight indicator, with connection cable, 110-240Vac / 5 VDC power adapter included.
TPRP	Thermal printer for panel mounting for use with weight indicator, with connection cable, 5V power supply.
BOX2121S	Box with transparent door for wall mounting DGT instruments, dimensions 210x210x100 mm, IP65 protection degree, complete with 2 cable fittings.
DFCLK	Real time clock for printing/displaying of the date and time.
ALMEM	Alibi memory (fiscal memory, max 120.000 weighs) for approved transmission of the weight to PC/PLC. Real time clock integrated for print of the date/time.
TECSUP	Technical assistance by telephone or at our premises for instrument configuration and printout formatting. NET HOURLY PRICE.

Accessories

Code	Description
ALSW	100-240 VAC 2,1 A 12 Vdc output, switching power adapter
TECMAN	Printed technical manual (free, if downloaded from the web). NET PRICE.
UMAN	Printed user manual (free, if downloaded from the web and available in the CD, fitted with the product). NET PRICE.