

DGTP: PANEL DIGITAL WEIGHT TRANSMITTER/INDICATOR



DGTP: panel digital weight transmitter/indicator.

Multipurpose weight transmitter for panel mounting. Ideal as a microcontroller in industrial weighing and dosage systems making an easier and safer integration of the weighing to any automation system. Fitted with 4 inputs and 6 outputs, programmable. Wide range of available interfaces.

MAIN FEATURES

- Easy to use 5-key waterproof keyboard.
- Highly efficient red LED display with 6 20-mm digits and 6 LEDs for showing active functions.
- Case for panel mounting. Dimensions: 143,5 x 72 x 129mm(lxhxw). Drill template: 135,6 x 66,5 x 120mm(lxhxw).
- A/D 24-bit sigma-delta conversion, up to 200 conv./sec. autoselect.
- Management of a digitally equalised 4-cell weighing system or management of 4 independent weighing systems.
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- Up to 1.000.000 displayable divisions with internal resolution up to 3.000.000 points.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS.
- Up to **8 signal linearization points** with DINITOOLS (3 from keypad).
- Fitted real time clock.
- From 12 Vdc to 24 Vdc power supply.

I/O SECTION

- 1 RS232/C or RS485 bidirectional port configurable for connection to PC or external units.
- 1 RS232/C bidirectional port configurable for connection to printer.
- PROFIBUS serial interface (DGTPPB model).
- 6 photomofet outputs: 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 4 optoisolator photocouplers inputs: 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (DGTPAN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice; maximum applicable voltage: 350 Ohm; minimum applicable voltage resistance: 10 kohm.

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; 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.
DGTP and DGTPAN 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 (DGTPAN):**
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

OPTIONS AND ACCESSORIES

- Thermal printer for panel mounting.
- 100-240 VAC 2,1 A 12 Vdc output, switching power adapter.

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.

FUNCTIONING MODES:

- **Multi-scale repeater (MASTER)**
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 weights of all the scales.
- **UNIVERSAL weight repeater**
function which allows to repeat the weight of any scales, through the configuration of the input string.

Models available

Code	Description
DGTP	Weight indicator / Transmitter for panel mounting, with 5-key keypad and LED display.
DGTPAN	Weight indicator / Transmitter for panel mounting, with 5-key keypad, LED display and analogue output.
DGTPPB	Weight indicator / Transmitter for panel mounting, with 5-key keypad, LED display and PROFIBUS port.

Options only available at time of order

Code	Description
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.
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.
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.
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 with connection cable, 5V power supply (power adapter not included).
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.