

DGTP: DIGITAL WEIGHT TRANSMITTER/INDICATOR



DGTP

FUNCTIONS

- **THROUGH KEYBOARD:**
Zeroing; Semi-automatic and presettable tare; print and/or data transmission; ON/Stand-by; Weighs totalisation; Formulation; Net/Gross weight switch; Counting; Hold; Peak; kg/Lb conversion.
- **REMOVABLE FROM EXTERNAL INPUT:**
Clearing; Semi-automatic tare; Print and/or data transmission; Selected function command; ON/Stand-by.
- **UNIVERSAL WEIGHT REPEATER:**
Connectable to any scale or PC through the RS232 or RS485 serial connection, **with software configuration of the input data string.**
- **THROUGH SERIAL LINE:**
Reading of the net, gross, and tare weights, microvolts or ADC converter for all the channels; Clearing; Semi-automatic and presettable tare; Scale switch; Printing; Message display; Setting of APW in piece counting; Setting of set points of the outputs; Simulation of key pressure; Reading/Writing of Alibi Memory.
- **THROUGH PROFIBUS (DGTPPB):**
Reading of the net, gross, or tare weights; Clearing; Semi-automatic tare; Scale switch; Setting of set points of the outputs; Reading/Writing of Alibi Memory.
- **THROUGH 16 bit ANALOGUE OUTPUT (DGTPAN):**
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

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

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).
- 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 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** 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.
- Time/Date
- Management of a digitally equalised 4-cell weighing system or management of 4 independent weighing systems.
- Master/Slave management (up to 4 Slaves / 1 Master).
- From 12 Vdc to 24 Vdc power supply.

I/O SECTION

- 1 RS232/C bidirectional port configurable for connection to PC or external units.
- 1 RS232/C bidirectional port configurable for connection to printer.
- 1 RS485 bidirectional port configurable for a network connection.
- MODBUS serial protocol (DGTP, DGTPAN).
- PROFIBUS serial interface (DGTPPB).
- Six 150 mA 48 Vac / 150 mA 60 Vdc (NO) photomosfet outputs which may be configured as direct control or upon weight stability, with programmable weight thresholds (disable and enable thresholds).
- 4 inputs (optoisolator photocouplers) configurable as: 12÷24 Vdc, 5 mA min - 20 mA max.
- 16-bit analogue output configurable 4-20mA / 0-5Vdc / 0-10Vdc at choice; the maximum applicable voltage is 350 Ohm and the minimum applicable voltage resistance is 10 kohm (DGTPAN).

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Printer for panel mounting
- Alibi Memory

Models available

| Code | Description |
|--------|--|
| DGTP | Weight indicator for panel mounting, with 5-key waterproof keyboard, highly efficient red LED display, complete of 4 inputs, 6 programmable outputs, 1 RS232 bidirectional port, and 1 RS232/RS485 bidirectional port. |
| DGTPAN | Weight indicator for panel mounting, with 5-key waterproof keyboard, highly efficient red LED display, complete of 4 inputs, 6 programmable outputs, 1 RS232 bidirectional port, 1 RS232/RS485 bidirectional port, and 16bit 0...10Vdc or 0...20mA analogue output. |
| DGTPPB | Weight indicator for panel mounting, with 5-key waterproof keyboard, highly efficient red LED display, complete of 4 inputs, 6 programmable outputs, 1 RS232 bidirectional port, and a PROFIBUS output. |

Options only available at time of order

| Code | Description |
|-----------|---|
| KCEM | Plates kit, indicator Welmec form for each foreseen platform for legal for trade use |
| 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). |
| TPRPC | Thermal printer for panel mounting with >50mm/sec. speed, 203 dpi resolution, 24/40 columns, 58 mm width; 50 mm roll diameter. Inclusive of 110-240Vac/5 VDC power adapter |
| TPRP | Thermal printer for panel mounting with >50mm/sec. speed, 203 dpi resolution, 24/40 columns, 58 mm width; 50 mm roll diameter. 5 VDC power supply. |
| ALMEM | Alibi memory (fiscal memory) with time/date; max. 120.000 weighs |

Accessories

| Code | Description |
|------|--|
| ALSW | 100-240 VAC 2,1 A 12 Vdc output, switching power adapter |