

DGTP

"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.

Approvals:

CE-M EN 45501, OIML R-76, OIML R-61 (MID), OIML R-51 (MID), Australian approval

Working in cooperation with:

LIBRA INSTRUMENTS LTD.

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**The best solution
for advanced industrial
applications**

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(lxhwx). Panel cutout: 136,5 x 67,5 x 140mm (lxhwx).
- A/D 24-bit sigma-delta conversion, up to 400 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 800.000 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.

MAIN CERTIFICATIONS

- CE-M EN 45501
- OIML R76
- OIML R61 - MID
- OIML R51
- Australian legal for trade certificate of approval (NMI S788)

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 load applicable on the output current: 3000Ohm. Minimum load applicable on the output voltage: 1kOhm.

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; Lb/kg conversion; Approved transmission of the weight to PC/PLC (with ALMEM Alibi memory option) e Peak.

Available in 7.15 firmware version downloadable from the [DOWNLOAD](#) area:

Net/Gross; Weighs totalisation; Formulation; Counting; In/Out Truck weighing and Hold.

- **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).

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 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.

- [Click to learn more.](#)



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