

DGT

DGT: 4-CHANNEL DIGITAL WEIGHT TRANSMITTER/INDICATOR



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).







Working in cooperation with:

UAB DESKA

PRAMONES 5 - LT-94102 - KLAIPEDA - LITHUANIA Tel. 00370-46-381089 Fax. 00370-445-76466 info@deska.lt The best solution for advanced industrial applications

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 µV/d in CE-M approved version for legal for trade use.
- Up to 1.000.000 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 8 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.

MAIN CERTIFICATIONS

- EC Type Approval (EN45501)
- OIML R76
- OIML R61 MID
- OIML R51

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.

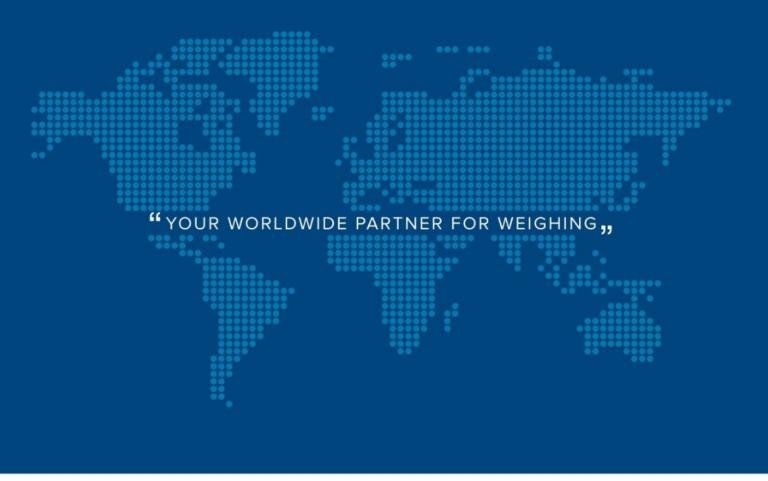
• THROUGH 16 bit ANALOGUE OUTPUT (DGT4AN):

Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

I/O SECTION

- RS232/C bidirectional port configurable for connection with external units.
- RS485 bidirectional port configurable for network connection (DGT4 and DGT4AN models).
- 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 load applicable on the output current: 350Ohm. Minimum load applicable on the output voltage: 10kOhm.





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UK Ltd Taunton - United Kingdom

DINI ARGEO

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