

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).

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 $\mu\text{V}/\text{d}$ 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 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.

MAIN CERTIFICATIONS

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

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.

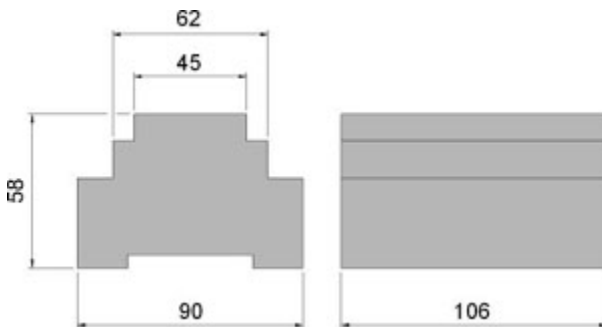
FUNCTIONING MODES:

- 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.
- [Click to learn more.](#)

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 photomofet 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.

DETAIL 1



dimensions in mm



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“YOUR WORLDWIDE PARTNER FOR WEIGHING,”

DINI AR GEO
FRANCE sarl
Nogent-sur-Marne
info.fr@diniargeo.com

DINI AR GEO
GMBH
Sinsheim - Germany
info.de@diniargeo.com

DINI AR GEO
UK Ltd
Taunton - United Kingdom
info.uk@diniargeo.com

DINI AR GEO WEIGHING
INSTRUMENTS Ltd
Shanghai - China
info.cn@diniargeo.com

DINI AR GEO
WEIGHBRIDGES
Calto (RO) – Italy
info@diniargeo.com



HEAD OFFICE

Via Della Fisica, 20
41042 Spezzano di Fiorano Modena - Italy
Tel. +39.0536 843418 Fax. +39.0536 843521
info@diniargeo.com

SERVICE ASSISTANCE

Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena - Italy
Tel. +39.0536 921784 Fax. +39.0536 926654
service@diniargeo.com



SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.