DINI ARGEO
Scales - Weighing systems

DGT1

"DGT1": MULTIFUNCTION, DIGITAL WEIGHT TRANSMITTER / INDICATOR



OIML R76 Approved

Compact, multifunction weight transmitter / indicator, for panel mounting on DIN bar. It allows the direct reading and diagnostics of the connected weighing system. 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:

SC DATA SPEED SRL

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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 8-mm digits and 6 LEDs for showing active functions.
- Standard dimensions for mounting on DIN bar.
- 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 800.000 displayable divisions with internal resolution up to 3.000.000 points.
- Up to 8 signal linearization points with DINITOOLS (3 from keypad).
- 1 channel A/D 24-bit sigma-delta conversion, up to 3200 conv./sec. autoselect.
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- From 12 Vdc to 24 Vdc power supply.
- Fitted with real time clock and Alibi memory.

MAIN CERTIFICATIONS

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

TRANSMITTER / INDICATOR: FUNCTIONS

- 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; Counting; In/Out Truck weighing; Hold e Peak.

- 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.

  DGT1 and DGT1AN 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.

- 16 bit ANALOGUE OUTPUT on DGT1AN:
  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:

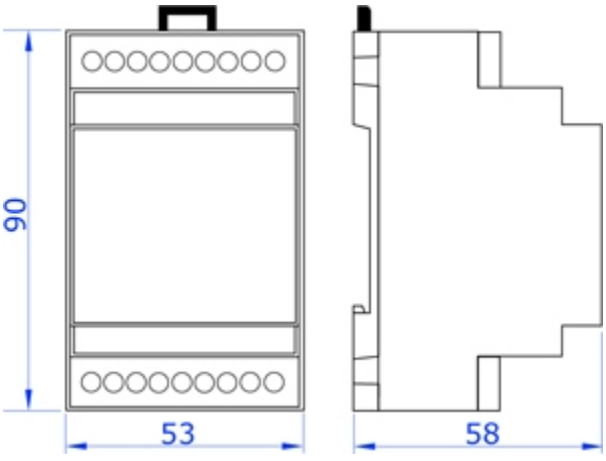
- Multi-scale repeater (MASTER)
  function which allows to repeat up to 32 independent scales, with the possibility of managing their functions, or displaying and printing the sum of the weighs of all the scales.
- UNIVERSAL weight repeater
  function which allows to repeat the weight of any scales, through the configuration of the input string.

- Click to learn more.

I/O SECTION

- RS232/C bidirectional port configurable for connection with external units.
- RS485 bidirectional port configurable for network connection.
- 16-bit analogue output (DGT1AN 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.
- 2 photomosfet outputs: 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions (DGT1IO model).
- 2 optoisolator photocoupler inputs: 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions (DGT1IO model).

DETAIL 1



DGT1: dimensions in mm

DETAIL 2



DGT1 with DR1512 optional power supplier, for DIN bar

DETAIL 3



DGT1: installation example in BOX2121S wall box with PROFI232 profibus module and built-in power supplier.

www.diniargeo.com



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ATEX

ISO 9001:2008

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SALES AND TECHNICAL ASSISTANCE SERVICE