

"DGT1S": MULTIFUNCTION, DIGITAL WEIGHT TRANSMITTER / INDICATOR



Weight transmitter / indicator

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.

Approvals:

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

MAIN FEATURES

- Easy to use 5-key waterproof keyboard.
- 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 μ V/e 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 400 conv./sec. autoselect.
- Connectable with up to 8 analogue load cells with 350 Ohm input resistance.
- From 12 Vdc to 24 Vdc power supply.
- Maximum power: 3,3 W.

I/O SECTION

- RS232/C bidirectional port configurable for connection with external units.
- Double RS485 port for a quick network connection.
- 16-bit analogue output (DGT1SAN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice. Maximum load applicable on the output current: 300Ohm. Minimum load applicable on the output voltage: 1kOhm.
- 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.

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.

MAIN CERTIFICATIONS

- CE-M EN 45501
- OIML R76
- OIML R61 - MID
- OIML R51
- Australian legal for trade certificate of approval (NMI 5788)

TRANSMITTER / INDICATOR: FUNCTIONS

- **KEYBOARD:**
Fast calibration; theoretical calibration; weighing filter configuration; 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.

Positive Weighing Solutions Ltd
Unit 8 The Clifton Centre, Spring Lane South, Malvern. WR14 1BJ



www.positiveweighing.co.uk
sales@positiveweighing.co.uk

01684 561002