

## "DGT1S": MULTIFUNCTION, DIGITAL 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. CE-M approved (OIML R-76 / EN 45501). MID approved (OIML R-61).**

### 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  $\mu$ V/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).
- 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.

### MAIN CERTIFICATIONS

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

## **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; Net/Gross or lb/kg conversion; Weighs totalisation; Setpoint; Approved transmission of the weight to PC/PLC (with ALMEM Alibi memory option); Counting; Hold e Peak.
- **SERIAL PORTS:**  
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.  
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 DGT1SAN:**

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.
- 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: 350Ohm. Minimum load applicable on the output voltage: 10kOhm.
- 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