

DGT1S PLUS

"DGT1S PLUS": MULTIFUNCTION DIGITAL WEIGHT TRANSMITTER



Compact multifunction weight transmitter, for DIN rail mounting. It allows the direct reading and diagnostics of the connected weighing system. The wide range of available interfaces makes the integration of the weighing in any automation system easier and safer.

Available in the following versions:

**PROFINET | ETHERNET/IP | MODBUS/TCP |
ETHERCAT | PROFIBUS | DEVICENET |
CANOPEN | ANALOG OUTPUT | RS485**

Approvals:

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

**Integrated WebServer as standard, for
configuration, diagnostics and data backup.**

Working in cooperation with:

LIBRA INSTRUMENTS LTD.

RODOPSKI IZVOR STR.66,A - 1618 - SOFIA - BULGARIA
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libra@librabgnet.com

**The best solution
for advanced industrial
applications**

TECHNICAL FEATURES

- Number of scales/channels: 1
- Calibration:
 - Theoretical (mV/V)
 - With sample weights
 - Via Web server
- Conversion rate:
 - Up to 400 Hz
- Maximum number of load cells: Up to 16x350Ω
- Minimum sensitivity:
 - High resolution 0,01 μV/d
 - Legal for trade 0,3 μV/e
- Number of legal-for-trade divisions:
Up to 10,000e or multi-field 2x3,000e
- Load cell excitation voltage: 5 V
- Communication ports:
 - 1 micro-USB port (device) (Mod. with fieldbus)
 - 1 RS485 port (Mod. DGT1SP / DGT1SP-AN)
- Communication protocols: Modbus RTU, ASCII or fieldbus
- Communication rate:
 - On serial port up to 325 Hz
 - On Fieldbus up to 16 Hz
- PC programs for configuration: DiniTools
- Display: Red LED 8 mm, 6 characters
- Keyboard: 5-key mechanical
- Housing: ABS
- Power supply: 12÷24 Vdc, 5 W
- Operating temperature range:
 - For internal use -20°C ÷ +60°C
 - Approved -10°C ÷ +40°C
- Max. humidity: 85%.

INPUTS/OUTPUTS

- Analogue output: 16 bit (Model DGT1SP-AN)
 - 4÷20mA
 - 0÷10Vdc
- Digital outputs: n. 4 OUT, configurable
- Digital inputs: n. 2 IN, configurable

CERTIFICATIONS

- 2014/30/EU EMC
- 2014/35/EU LVD
- 2011/65/EU RoHS
- OIML R61 - MID
- OIML R51 - MID
- OIML R76
- EU Type Examination Certificate (2014/31/EU)



www.diniargeo.com

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SALES AND TECHNICAL ASSISTANCE SERVICE