

DGT1PX

DGT1PX - PANEL DIGITAL WEIGHT TRANSMITTER / INDICATOR



High-speed panel mount weight transmitter/indicator with aluminum case. Ideal as a microcontroller in industrial weighing and batching systems, it makes it easier and safer to integrate weighing to any automation system. Up to 2 programmable digital inputs and 6 digital outputs.

Available in the following versions:
PROFINET I/O | 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), Australian approval

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

**The best solution
for advanced industrial
applications**



TECHNICAL FEATURES

- Power supply: 12-24 Vdc
- Maximum power: 4,1 W
- Converter: A/D 24 bit with 1 channel
- Max number of scales: 1
- Load cells connection: 4 or 6 wires (with sense)
- Conversion rate: 4.800 Hz
- Selectable sampling rate: up to 2.600 conv./sec
- Displaying: up to 1.000.000d
- Signal sensitivity: 0,01 $\mu\text{V/d}$ (0,03 $\mu\text{V/e}$)
- Resolution: 3.000.000 points
- Linearization: up to 8 points
- Connectable load cells: up to 16x350 Ω cells
- Serial ports: 1 RS485 port + μUSB (configuration with XSpeed Tool)
- Fieldbus:
 - PROFINET
 - ETHERNET/IP
 - MODBUS/TCP
 - ETHERCAT
 - DEVICENET
 - CANOPENPROFIBUS available for model DGT4X*.
- Analog output: 16 bit optoisolated (DGT1PAN Model) choosing between 0-5Vdc, 0-10Vdc, 4-20mA or 0-20mA.
- Digital outputs: n. 2 OUT, configurable optoisolated photomosfet
- Digital inputs: n. 2 IN, configurable optoisolated
- Case: aluminium. Dimensions: 100 x 53 x 136 mm(lxhxw). Panel cutout: 92 x 44 mm (lxh).
- Calibration:
 - Theoretical (mV/V)
 - With sample weights
 - Remotely via web server
 - From keyboard
 - From PC with "Dini Tools"
- Keyboard functions: zeroing, tare, function mode, print, manual data sending, ON/Stand-by
- Program functions: setpoint, high resolution, peak, alibi memory, unit of measure conversion
- Keyboard: mechanical with 5 digits, waterproof
- Display: 14,2 mm red LED

PC XSPEED TOOL SOFTWARE

- Specific program for PC, designed to improve the performance of any weighing system.
- Customization of the weighing filter, to maximize the speed and accuracy of the weighs in static and dynamic applications.
- Graphical weighing analysis for the identification of mechanical disturbances and vibrations.

UL CERTIFIED WEIGHT TRANSMITTERS

- UL certified transmitters are available, [click here](#) to find out the full range.

New compared to DGT1P

- Increased converter speed, up to 4800 Hz
- μ USB Port
- Possibility of configuration via XSpeed Tool
- Integrated Fieldbus

INTEGRATED WEB SERVER (for PROFINET, ETHERNET/IP and MODBUS TCP models)

- The integrated WEB SERVER allows full diagnostics, calibration and remote configuration of the weight transmitter from an Ethernet network.
- For PROFINET, ETHERNET/IP, MODBUS TCP/IP models only.

MAIN CERTIFICATIONS

- CE-M EN 45501
- OIML R76
- OIML R61 - MID
- OIML R51



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SALES AND TECHNICAL ASSISTANCE SERVICE