

DGT4

DGT4 - 4-CHANNEL WEIGHT TRANSMITTER



4-channel weight transmitter for weight transfer to PLC via fieldbus, analog output or RS485. It allows the reading and diagnostics of each load cell or each connected scale (up to 4).

Available versions:

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

Integrated WebServer as standard

**The best solution
for advanced industrial
applications**

MAIN FEATURES

- Power supply: 12-24Vdc
- Converter: A/D 24 bit with 4 channel
- Max scale number: 4
- Load cells connection: 4 or 6 wires (with sense)
- Operating modes:
 - Digital junction box
 - Multi-scale transmitter
- Conversion rate: up to 3200 conv./sec
- Selectable sampling rate: up to 400 conv./sec
- Displaying: up to 1.000.000d
- Signal sensitivity: 0,03 $\mu\text{V/d}$ (0,03 $\mu\text{V/e}$)
- Resolution: 3.000.000 points
- Linearization: up to 8 points
- Connectable load cells: up to 8 350 Ω cells
- BUS: depending on the model (See version chart)
- Serial ports:
 - 1 RS232 for configuration from PC with "Dinitools®"
 - 1 RS485 Port (Mod. DGT4 / DGT4 AN)
- Analog output: 16 bit (DGT4AN Model) choosing between 4-20mA, 0-5Vdc or 0-10Vdc.
- Digital outputs: n. 2 configurable OUTPUTS
- Digital inputs: n. 2 configurable INPUTS
- Certifications:
 - OIML R76 (10000e o 3000 + 3000e) / R51 / R61 MID
 - UL Listed (upon request)
 - EU Type Examination Certificate (45501:2015)
- Case: ABS, for Din bar (106 x 90 x 58 mm)
- Calibration:
 - Theoretical (mV/V)
 - With sample weights
 - Remotely by WEB SERVER
 - From the keyboard
 - From PC with "Dinitools"
- Keyboard functions:
 - Zeroing
 - Tare
 - Function mode
 - Manual data printing/sending
 - On/Stand-by
- Program functions:
 - Setpoint
 - High resolution
 - Peak
 - Alibi Memory
 - Unit of measure conversion
- Keyboard: mechanical with 5 digits
- Display: 13mm red LED

FUNCTIONS AND DATA AVAILABLE VIA FIELDBUS

- NET, GROSS and TARE weight
- DIGITAL INPUTS status
- RELAY OUTPUTS status
- SETPOINT setting
- Alibi memory writing and reading (optional)
- Weight status (eg positive, negative, stable, unstable)
 - Error conditions (eg overload, underload)
 - Calibration
- SETUP configuration
- Diagnostics of each converter channel

INTEGRATED WEB SERVER

The integrated WEB SERVER allows complete diagnostics, calibration and remote configuration of the weight transmitter from ethernet network.

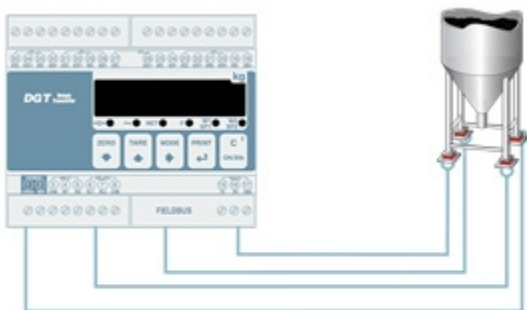
UPON REQUEST

- Special programs according to customer specifications
- Kit for legal for trade approval

DETAIL 1



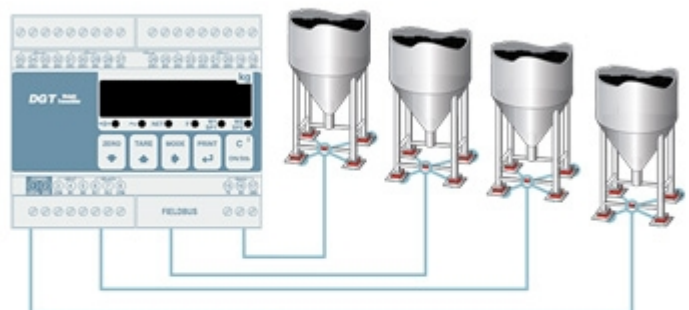
DIGITAL EQUALISATION BOX MODE



DETAIL 2



4 SCALES MODE



DETAIL 3

Home Sign out Change password Release 1.0

System Printer On On Off Network T/P

ID	GROSS	NET	TARE	UNIT	STATUS	ZERO
1	508	508	0	kg	OK NET OUT1 OK/F2	SAVE

ACC: none

FRAME TESTS

Unit: kg
Decimals: 0
Capacity 1: 10000
Capacity 2: 0
Division 1: 1
Division 2: *

CALIBRATION

Cal points: 1
Weight: ADC

Point	Weight	ADC
Point 1	10000	2147484
Point 2	0	0
Point 3	0	0

COMMANDS

KEYBOARD LOCK
KEYBOARD UNLOCK
SCALE REBOOT
WRITE PARAMETERS
WRITE SETPOINTS

SETPOINTS

Setpoint 1 on
Setpoint 1 off
Setpoint 2 on
Setpoint 2 off



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Australia



COMPANY HEADQUARTERS

Via Della Fisica, 20
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE

Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 921784

SALES AND TECHNICAL ASSISTANCE SERVICE