

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 | DEVICENET | PROFIBUS |
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

Working in cooperation with:

LIBRA INSTRUMENTS LTD.

RODOPSKI IZVOR STR.66,A - 1618 - SOFIA - BULGARIA
Tel. 00359 876 787981 Fax. 00359 28550131
libra@librabgnet.com

**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: with 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 800.000d
- 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:
 - CE-M EN 45501
 - OIML R76 (10000e o 3000 + 3000e) / R51 / R61 MID
 - UL Listed (upon request)
 - EU Type Examination Certificate (45501:2015)
 - Australian legal for trade certificate of approval (NMI S788)
- 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

Available in 7.15 firmware version downloadable from the DOWNLOAD area:

Net/Gross; Weighs totalisation; Formulation; Counting; In/Out Truck weighing and Hold.

- 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.

Only for PROFINET, ETHERNET IP and MODBUS TCP models.

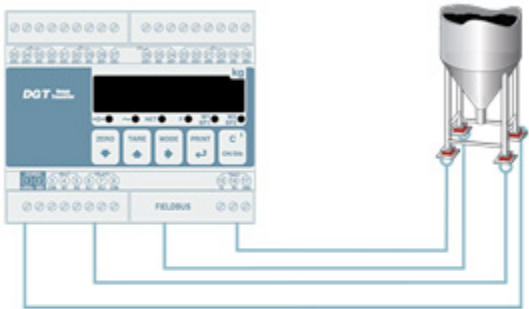
UPON REQUEST

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

DETAIL 1



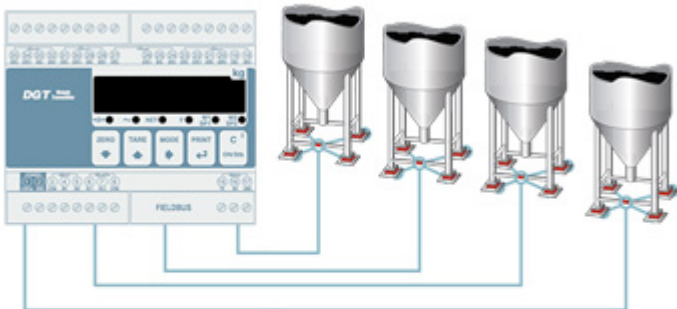
DIGITAL EQUALISATION BOX MODE



DETAIL 2



4 SCALES MODE



DETAIL 3

Home Sign out Change password Release 1.3

Fieldset	Pinout	IN	OUT	Reference	UNIT
ID	508	508	0	kg	STATUS
- >D< L& CL INT INZ OUT1 OUT2					

ADC: 10000

UNIT: kg

Decimals: 0

Capacity 1: 10000

Capacity 2: 0

Division 1: 1

Division 2: 1

CALIBRATION

Cal points: 1

Weight: 0

ADC: 2147483648

Point 1: 10000

Point 2: 0

Point 3: 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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COMPANY HEADQUARTERS

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

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