

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

Working in cooperation with:

VETEK AB

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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
- Speed: up to 3200 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.

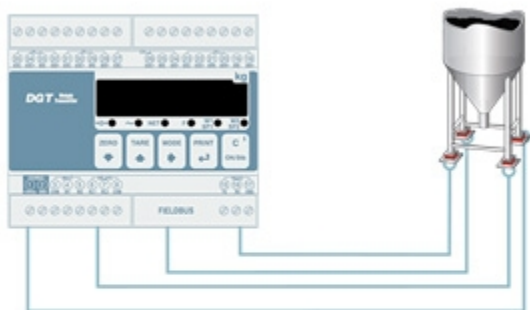
UPON REQUEST

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

DETAIL 1



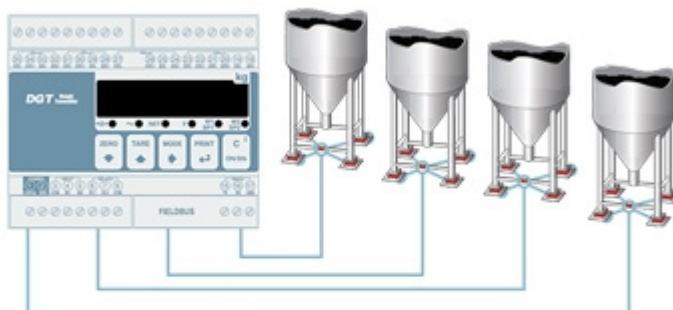
DIGITAL EQUALISATION BOX MODE



DETAIL 2



4 SCALES MODE



DETAIL 3

Home

Sign out

Change password

Release 1.0

Position

Product

Qty

Units

Dimensions

Unit

ID	GROSS	NET	DATE	UNIT	STATUS	
1	508	508	0	kg	OK NO-LS-CL NOTING OUTS-OUTS	<div>ZERO</div> <div>SAVE</div>

ACC

None

FRAMING TESTS

Unit

kg

Decimals

0

Capacity 1

10000

Capacity 2

0

Division 1

1

Division 2

1

CALIBRATION

Cal points

1

Weight

ADC

Zero

0

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



www.diniargeo.com

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SALES AND TECHNICAL ASSISTANCE SERVICE