

# 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).

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### Available versions:

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

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### Approvals:

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

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**Integrated WebServer as standard**

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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
  - 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  $\Omega$  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.*

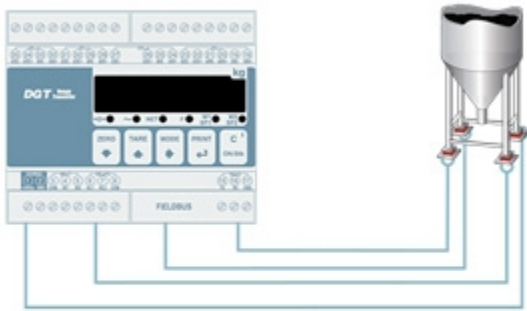
## UPON REQUEST

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

## DETAIL 1



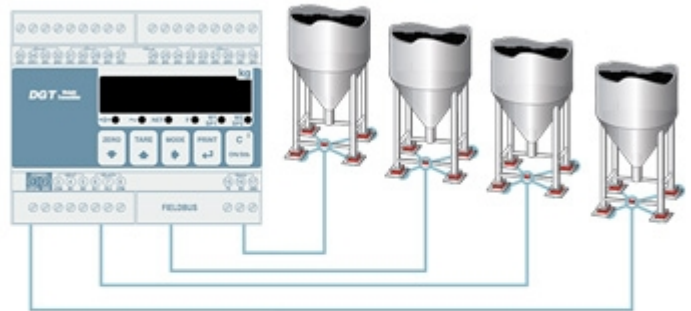
### DIGITAL EQUALISATION BOX MODE



## DETAIL 2



### 4 SCALES MODE



## DETAIL 3

Home Sign out Change password Release 1.3

Fieldset	Value	Unit	Unit	Max/min	Unit
ID	GR005	NET	TARE	UNIT	STATUS
1	508	508	0	kg	- -> LB CL INT INT OUT1 OUT2

ADC: none

FRAME TESTS	CALIBRATION	COMMANDS
Unit: kg	Cal points: 1	KEYBOARD LOCK
Decimals: 0	Weight: ADC	KEYBOARD UNLOCK
Capacity 1: 10000	Zero: 0	SCALE REBOOT
Capacity 2: 0	Point 1: 10000 2147484	WRITE PARAMETERS
Division 1: 1	Point 2: 0	WRITE SETPOINTS
Division 2: 1	Point 3: 0	

SETPOINTS
Setpoint 1 on: <input type="text"/>
Setpoint 1 off: <input type="text"/>
Setpoint 2 on: <input type="text"/>
Setpoint 2 off: <input type="text"/>

**COVENTRY SCALE COMPANY**



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