

## 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:

**SVENSKA VAG 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
- 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  $\Omega$  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:
  - 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.

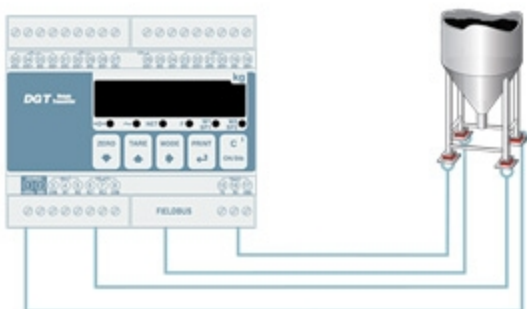
## UPON REQUEST

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

## DETAIL 1



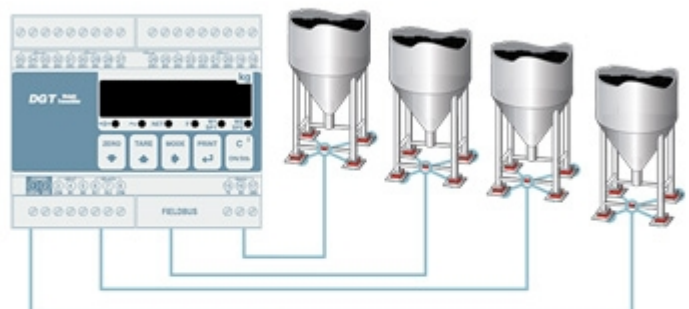
### DIGITAL EQUALISATION BOX MODE



## DETAIL 2



### 4 SCALES MODE



# DETAIL 3

Home Sign out Change password Release 1.0

System Printer On Unit Network TSP

ID	GROSS	NET	TARE	UNIT	STATUS	ZERO
1	508	508	0	kg	OK NET OUT1 OK/2	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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SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.