DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

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

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 µV/d (0,03 µV/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

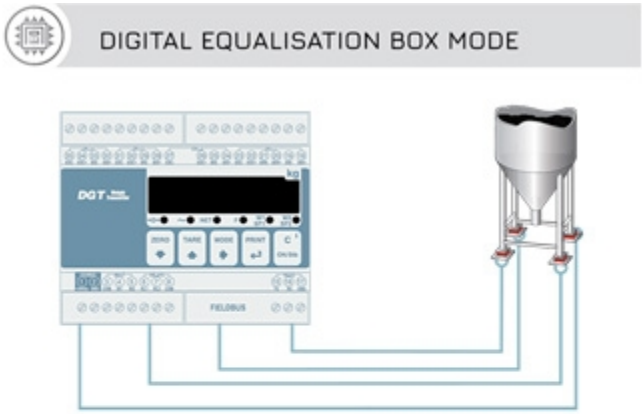
The integrated WEB SERVER allows complete diagnostics, calibration and remote configuration of the weight transmitter from ethernet network.

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



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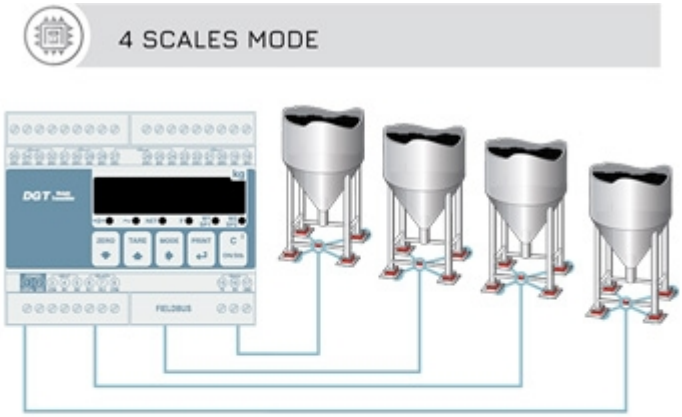

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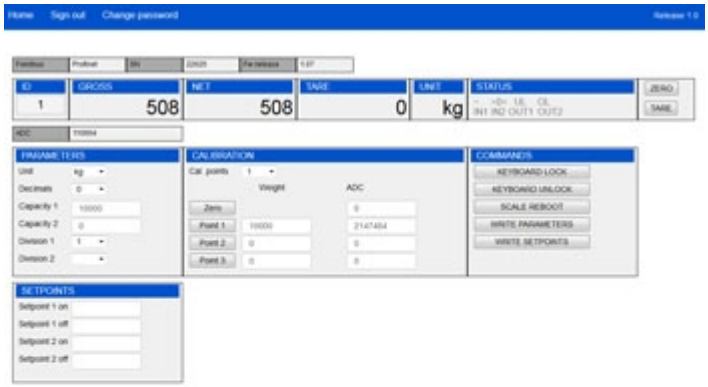

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France	Germany	United Kingdom	China	Australia

DINI ARGEO
A RICE LAKE WEIGHING SYSTEMS COMPANY

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

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