DINI ARGEO
Scales - Weighing systems

DGT4X

DGT4X - HIGH SPEED 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.

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

Integrated WebServer as standard for configuration, diagnostics and data backup.

Working in cooperation with:

VETEK AB

HANTVERKSVÄGEN 15 - 76493 - VÄDDÖ - SWEDEN
Tel. +46176-208920 , info@vetek.com, www.vetek.com

**The best solution
for advanced industrial
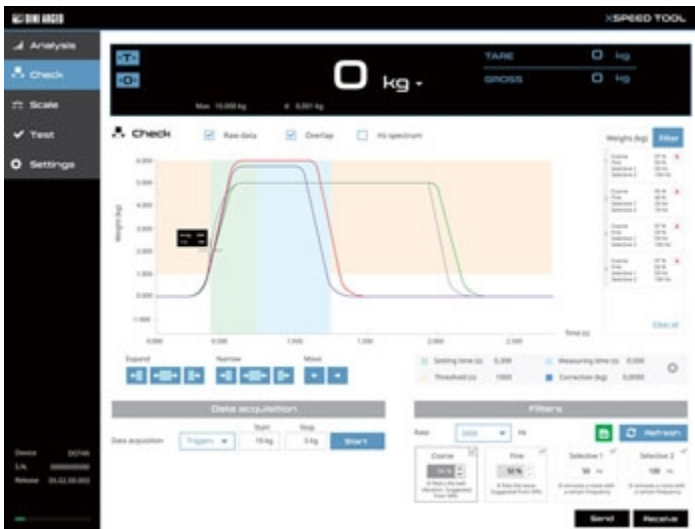applications**

What's new compared to DGT4

- New cutting-edge processor, able to process up to 2600 weight readings per second. The high speed allows an extremely accurate weight filtering even with weighing times in the order of milliseconds.
- New cell feed circuit for greater weighing stability.
- Power supply circuit with protections, specific for industrial environments.
- Removable terminal blocks to simplify wiring in the electrical panel.
- Frontal micro-USB communication port for configuration, diagnostics and data backup.
- XSPEED TOOL: New PC software with oscilloscope function for system diagnostics and weighing filter optimization.
- 14.2 mm display.
- New configuration menu to simplify calibration and configuration.
- RS485 communication port always available on all versions.
- Up to 120 fieldbus updates per second.

ONBOARD WEB SERVER

- The integrated WEB SERVER allows complete diagnostics, calibration and remote configuration of the weight transmitter from the Ethernet network.
- *Only for PROFINET, ETHERNET/IP and MODBUS TCP/IP models.*

PC XSPEED TOOL SOFTWARE

- Specific program for PC, designed to improve the performance of any weighing system.
- Customization of the weighing filter, to maximize the speed and accuracy of the weighs in static and dynamic applications.
- Graphical weighing analysis for the identification of mechanical disturbances and vibrations.
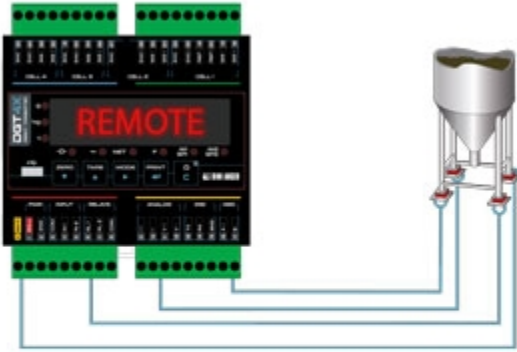
TECHNICAL FEATURES

- 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
  - Single-scale transmitter
- Conversion rate: up to 3200 conv./sec
- Selectable sampling rate: up to 2600 conv./sec
- Fieldbus update rate: up to 120 Hz
- Displaying: up to 1.000.000d
- Signal sensitivity: 0,03 µV/d (0,3 µV/e)
- Resolution: 3.000.000 counts
- Linearization: up to 8 points
- Connectable load cells: up to 16 350 Ω cells
- Fieldbus: Profibus, Profinet, EthernetIP, EtherCAT, EthernetIP, CANopen, DeviceNet, Modbus TCP/IP.
- Serial ports:
  - 1 Micro-USB port (device) for PC configuration with "Dinitools®" and "XSpeed Tool".
  - 1 RS485 port
  - 1 RS232 port (Mod. DGT4X / DGT4XAN)
- Analog output: 16 bit (DGT4XAN Model) 4-20mA or 0-10Vdc.
- Digital outputs: n. 2 configurable OUTPUTS
- Digital inputs: n. 2 configurable INPUTS
- Certifications:
  - OIML R76 (10000e or 3000 + 3000e) / R51 / R61 MID
  - UL Listed (upon request)
  - EU Type Examination Certificate (45501:2015)
- Case: ABS, for Din bar (106 x 56 x 118 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
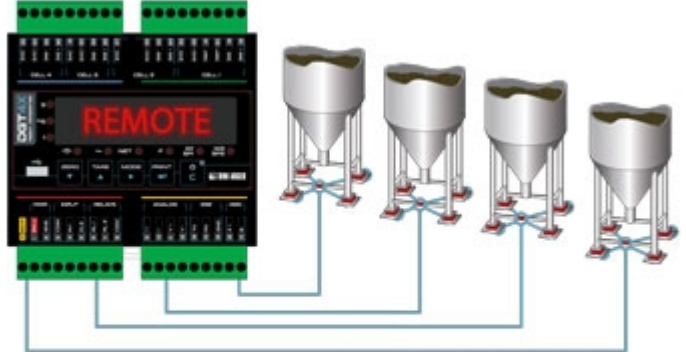- Display: 14,2mm red LED

DETAIL 1

DIGITAL EQUALISATION BOX MODE

REMOTE

DETAIL 2

4 SCALES MODE

REMOTE

DETAIL 3

"YOUR WORLDWIDE PARTNER FOR WEIGHING „

**DINI ARGEO
FRANCE sarl**
Nogent-sur-Marne

**DINI ARGEO
GMBH**
Sinsheim - Germany

**DINI ARGEO
UK Ltd**
Taunton - United Kingdom

**DINI ARGEO WEIGHING
INSTRUMENTS Ltd**
Shanghai - China

**DINI ARGEO
WEIGHBRIDGES**
Calto (RO) – Italy

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SALES AND TECHNICAL ASSISTANCE SERVICE

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