

DGT4X DIGITAL

DGT4X DIGITAL - WEIGHT TRANSMITTER FOR DIGITAL LOAD CELLS



Digital weight transmitter designed specifically for use with digital weighbridge and silo weighing. It integrates functionalities for load cell addressing, quick replacement, equalisation and calibration. It provides diagnostics and weight readings for each connected load cell. Truck or silo weight can be sent to a PC via Fieldbus protocol, analog output or RS485. It can be used in legal for trade applications when combined with Rice Lake and Dini Argeo digital weighbridge load cells.

Available versions:
PROFINET I/O | ANALOG OUTPUT | RS485

Approvals:
CE-M EN 45501, OIML R-76, Australian approval

Integrated WEB SERVER as standard for configuration, diagnostics and data backup

**The best solution
for advanced industrial
applications**



MAIN FUNCTIONS

- Load cells addressing
- Load cell quick change
- Load cell exclusion (silo weighing)
- Load balance monitoring
- Digital equalisation
- Calibration
- All main scale functionalities (zero, tare, autozero, etc.)

CONNECTABLE LOAD CELLS

- Dini Argeo RCD
- Dini Argeo RCPTD
- Rice Lake RL5416DC
- Rice Lake RL5426DC

ONBOARD WEB SERVER

- The integrated WEB SERVER provides complete diagnostics, calibration and remote configuration of the weight transmitter from the Ethernet network.
- *Only for PROFINET.*

XSPEED TOOL

- XSPEED Tool is the PC program for optimizing the performance of the weighing system integrated in the process and industrial automation. Through XSPEED TOOL, you can set the most suitable weighing filter for your application and create custom filters, thus maximizing the speed and accuracy of weighing in static and dynamic applications.
- Free download from the Download section.



TECHNICAL FEATURES

- Number of scales/channels: 1
- Calibration:
 - Theoretical (mV/V)
 - With sample weights
 - Via WEB SERVER
 - From the keyboard
 - From PC with Dinitools
- Maximum number of load cells: Up to 16 Dini Argeo and Rice Lake digital load cells
- Load cell excitation voltage: digital load cells need a dedicated optional power supplier
- Number of legal-for-trade divisions:
Up to 10,000e or multi-field 3,000+3,000e
- Linearization: up to 8 points
- Communication ports:
 - 1 micro-USB port (device) for PC configuration with Dinitools® and XSpeed Tool
 - 1 RS485 for load cells management and repeater connection
 - 1 RS232 port (Mod. DGT4X / DGT4XAN)
 - Analog output: 16 bit
(DGT4XAN Model) 4-20mA or 0-10Vdc
 - Fieldbus: see available models
- Communication protocols: Modbus RTU, ASCII or Fieldbus
- Communication rate:
 - On serial port up to 1600 Hz
 - On Fieldbus up to 120 Hz
 - Via Modbus RTU up to 110 Hz
- PC programs for configuration: Dinitools
- Display: 14,2 mm red LED, 6 characters
- Keyboard: 5-key mechanical
Keyboard functions: Zeroing, Tare, Function mode, Manual data printing/sending, ON/Stand-by
Functions modes: Setpoint, High resolution, Alibi Memory, Unit of measure conversion, Unbalancing alarm, Broken load cell exclusion
- Housing: ABS, for Din bar (106 x 56 x 118 mm)
- Power supply: 12÷24 Vdc
- Operating temperature range:
 - For internal use -20°C ÷ +60°C
 - Approved -10°C ÷ +40°C
- Max humidity: 85%, non-condensing

UL CERTIFIED WEIGHT TRANSMITTERS

- UL certified transmitters are available, [click here](#) to find out the full range.

DETAIL 1



DETAIL 2

Home Sign out Change password Release 1.0

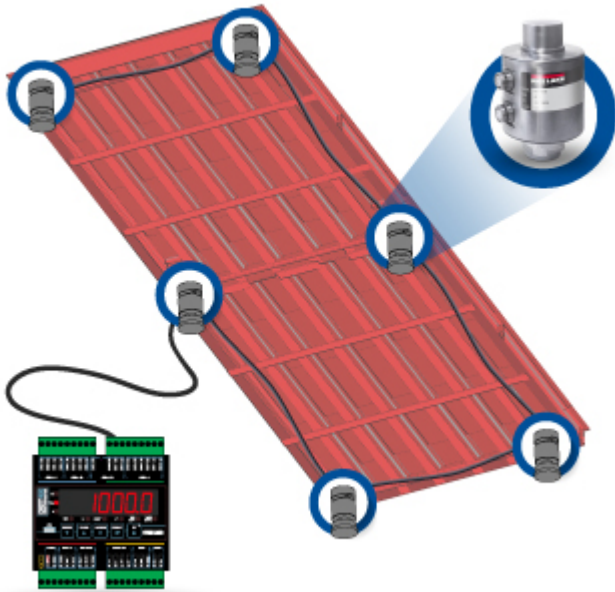
ID	GROSS	NET	TARE	UNIT	STATUS
1	508	508	0	kg	← → ← → CL W1 W2 OUT1 OUT2

ACC: none

PARAM. TESTS	CALIBRATION	COMMANDS
Unit: kg	Cal. points: 1	KEYBOARD LOCK
Decimals: 0	Weight: 0	KEYBOARD UNLOCK
Capacity 1: 10000	Zero: 0	SCALE REBOOT
Capacity 2: 0	Point 1: 1000	WRITE PARAMETERS
Division 1: 1	Point 2: 0	WRITE SETPOINTS
Division 2: 1	Point 3: 0	

SETPOINTS
Setpoint 1 on: _____
Setpoint 1 off: _____
Setpoint 2 on: _____
Setpoint 2 off: _____

DETAIL 3





“YOUR WORLDWIDE PARTNER FOR WEIGHING”

DINI ARGEO
FRANCE sarl
France

DINI ARGEO
GMBH
Germany

DINI ARGEO
UK Ltd
United Kingdom

DINI ARGEO WEIGHING
INSTRUMENTS Ltd
China

DINI ARGEO
OCEANIA
Australia



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