DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

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

Working in cooperation with:

TEMLOGICA LDA AUTOMAÇÃO E SISTEMAS DE MEDIDA IND. UNIP
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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

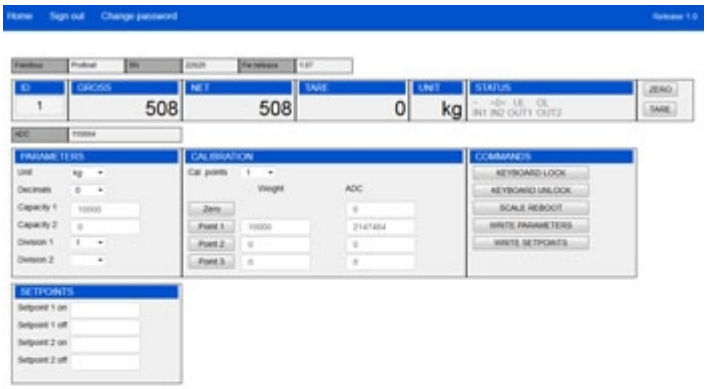
- Number of scales/channels: 1
- Calibration:
  - Theoretical (mV\V)
  - With sample weights
  - Via WEB SERVER
  - From the keyboard
  - From PC with Dinitools
- Maximum number of load cells: Up to 16 Dini Argeo and Rice Lake digital load cells
- Load cell excitation voltage: digital load cells need 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

UPON REQUEST

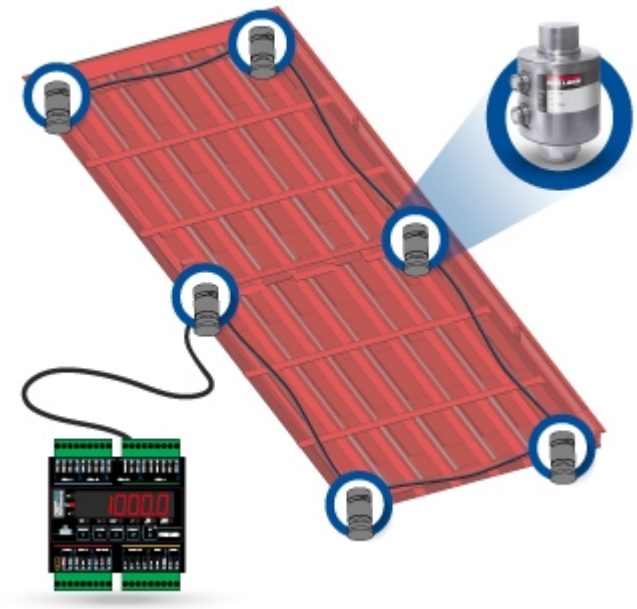
- UL certified version

DETAIL 1

DETAIL 2



DETAIL 3



www.diniargeo.com

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France	Germany	United Kingdom	China	Australia

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SALES AND TECHNICAL ASSISTANCE SERVICE

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