DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

DGT1SX CHECK

"DGT1SX CHECK": HIGH-SPEED DIGITAL WEIGHT TRANSMITTER

Specific weight transmitter ideal for dynamic and/or robotic high-speed weighing systems. Thanks to its algorithm and high-speed conversion rate, it calculates the weight of a package running on a weighing conveyor and store data in a memory that can be read from fieldbus. Designed for a throughput of over 200 pcs/min.

**Available in the following versions:
PROFINET I/O | RS485 | ETHERNET IP | MODUBUS TCP
Integrated WEB SERVER as standard, for configuration, diagnostics and data backup**.

**The best solution
for advanced industrial
applications**

MAIN FUNCTIONS

- Dynamic weight sampling at high speed, up to 4800 Hz
- Automatic weighing detection
- Weighing start/stop by weight tresholds or by triggers (digital inputs/photocells)
- Last 10 weighs memory
- Fully programmable weight filters using the Dini Argeo XSPEED TOOL
- Load cell failure detection

INTEGRATED WEB SERVER (for PROFINET, ETHERNET/IP and MODBUS TCP/IP models)

- The integrated WEB SERVER allows full diagnostic, calibration and remote configuration of the weight transmitter from an Ethernet network.

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
  - Via XSPEED TOOL
- Conversion rate: Up to 4800 Hz
- Maximum number of load cells: Up to 16x350Ω
- Load cell excitation voltage: 5 V
- Minimum sensitivity:
  - High resolution 0.01 μV/d
  - Legal for trade 0.3 μV/e
- 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 port
  - 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: XSPEED TOOL
- Display: Red LED 8 mm, 6 characters
- Keyboard: 5-key mechanical
  Keyboard functions: Zeroing, Tare, Visualization, ON/OFF
- Housing: ABS, for Din bar (120 x 23 x 112 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

INPUTS/OUTPUTS

- Digital outputs: n. 4 OUT, configurable
- Digital inputs: n. 2 IN, configurable

UPON REQUEST

- UL certified version

"YOUR WORLDWIDE PARTNER FOR WEIGHING"

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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.