DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

DGTP

"DGTP": PANEL DIGITAL WEIGHT TRANSMITTER/INDICATOR



OIML R51 OIML R61 OIML R76

Multipurpose weight transmitter for panel mounting. **Ideal as a microcontroller in industrial weighing and dosage systems** making an easier and safer integration of the weighing to any automation system. Fitted with 4 inputs and 6 outputs, programmable. Wide range of available interfaces.

Approvals:
CE-M EN 45501, OIML R-76, OIML R-61 (MID), OIML R-51 (MID), Australian approval

The best solution for advanced industrial applications

MAIN FEATURES

- Easy to use 5-key waterproof keyboard.
- Highly efficient red LED display with 6 20-mm digits and 6 LEDs for showing active functions.
- Case for panel mounting. Dimensions: 143,5 x 72 x 129mm(lxhxw). Panel cutout: 136,5 x 67,5 x 140mm (lxhxw).
- A/D 24-bit sigma-delta conversion, up to 400 conv./sec. autoselect.
- Management of a digitally equalised 4-cell weighing system or management of 4 independent weighing systems.
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- Up to 800.000 displayable divisions with internal resolution up to 3.000.000 points.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS.
- Up to 8 signal linearization points with DINITOOLS (3 from keypad).
- Fitted real time clock.
- From 12 Vdc to 24 Vdc power supply.

MAIN CERTIFICATIONS

- CE-M EN 45501
- OIML R76
- OIML R61 - MID
- OIML R51
- Australian legal for trade certificate of approval (NMI S788)

I/O SECTION

- 1 RS232/C or RS485 bidirectional port configurable for connection to PC or external units.
- 1 RS232/C bidirectional port configurable for connection to printer.
- PROFIBUS serial interface (DGTPPB model).
- 6 photomosfet outputs: 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 4 optoisolator photocouplers inputs: 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (DGTPAN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice. Maximum load applicable on the output current: 300Ohm. Minimum load applicable on the output voltage: 1kOhm.

TRANSMITTER / INDICATOR: FUNCTIONS

- THROUGH KEYBOARD:
  Zeroing; Semi automatic and presettable tare, print and/or data transmission; ON/Stand-by.
- SELECTABLE:
  High Resolution Weighing x 10; Lb/kg conversion; Approved transmission of the weight to PC/PLC (with ALMEM Alibi memory option) e Peak.

  Available in 7.15 firmware version downloadable from the DOWNLOAD area:
  Net/Gross; Weighs totalisation; Formulation; Counting; In/Out Truck weighing and Hold.

- EXTERNAL INPUT:
  Simulation of key pressure; Keyboard lock.
- MOSFET OUTPUT:
  Set Point Control on the weight, either positive (in loading) or negative (in unloading), or on the pieces (counting mode), with programmable enabling/disabling thresholds, as direct check or upon weight stability.
- SERIAL PORTS:
  On all models: Reading of the net, gross, and tare weights; Clearing; Semi automatic and presettable tare; Scale switch; Setting of outputs activation thresholds.
  DGTP and DGTPAN models: Reading of microvolts or ADC converter for all the channels; Message display; Printing; Setting of APW in counting mode; Simulation of key pressure; MODBUS serial protocol.
- THROUGH 16 bit ANALOGUE OUTPUT (DGTPAN):
  Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

MASTER/REPEATER OPTION (MSTSLV code)

- Specific programme for use of the indicator as a universal weight repeater or as a multi-scale repeater (MASTER) in combination with DFW/DGT/MCW.

  FUNCTIONING MODES:
- Multi-scale repeater (MASTER)
  function which allows to repeat up to 32 independent scales, with the possibility of managing their functions, or displaying and printing the sum of the weighs of all the scales.
- UNIVERSAL weight repeater
  function which allows to repeat the weight of any scales, through the configuration of the input string.

- Click to learn more.

www.diniargeo.com



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SALES AND TECHNICAL ASSISTANCE SERVICE

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