DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

DGTPK

"DGTPK": DIGITAL WEIGHT TRANSMITTER/INDICATOR WITH EXTENDED KEYBOARD



Multifunction weight transmitter for table or 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. Numerical keyboard for the quick entry of the setpoint and the tare.

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

- 20-key numeric/functional waterproof keyboard: quick entry of the setpoints and the tare value.
- Highly efficient red LED display with 6 20-mm digits and 12 LEDs for showing active functions.
- Stainless steel case for panel mounting.
- Frontal panel in alluminium, with protection gasket.
- Front panel dimensions: 170x170mm.
- Panel cutout: 161x162mm.
- Fitted with bracket for use on table or wall mounting. A/D 24-bit sigma-delta conversion, up to 400 conv./sec. autoselect.
- 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.
- Management of a digitally equalised 4-cell weighing system or management of 4 independent weighing systems.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINITOOLS.
- Up to 8 signal linearization points with DINITOOLS (3 from keypad).
- Time/Date
- From 12 Vdc to 24 Vdc power supply. EU, UK, US, AU plugs included as standard.
- Fitted with 12 V switching power adapter.

MAIN CERTIFICATIONS

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

TRANSMITTER / INDICATOR: FUNCTIONS

- THROUGH KEYBOARD:
  Zeroing; Semi automatic and presettable tare, print and/or data transmission; ON/Stand-by.
  Quick entry of the setpoints and the tare values.
- 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.
  DGTPKV2 and DGTPKANV2 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 (DGTPKANV2):
  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.

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 (DGTPKPBV2 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 (DGTPKANV2 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.

DETAIL 1



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DINI ARGEO FRANCE sarl	DINI ARGEO GMBH	DINI ARGEO UK Ltd	DINI ARGEO WEIGHING INSTRUMENTS Ltd	DINI ARGEO OCEANIA
France	Germany	United Kingdom	China	Australia

DINI ARGEO
A RICE LAKE WEIGHING SYSTEMS COMPANY

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

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