

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 aluminium, 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 photomofet 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.





www.diniargeo.com

“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