

DGTPK: DIGITAL WEIGHT TRANSMITTER/INDICATOR WITH EXTENDED KEYBOARD



DGTPK: weight indicator/transmitter for the industrial application

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.

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.
- Case for panel mounting. Front panel dimensions: 170x170mm.
- Drill template: 165x165mm.
- Fitted with bracket for use on table or wall mounting. A/D 24-bit sigma-delta conversion, up to 200 conv./sec. autoselect.
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- Up to 1.000.000 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.

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 applicable voltage: 350 Ohm; minimum applicable voltage resistance: 10 kohm.

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; Net/Gross or lb/kg conversion; Weighs totalisation; Formulation; Counting; In/Out Truck weighing; Hold e Peak.
- **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.

OPTIONS AND ACCESSORIES

- Thermal printer for table or for panel mounting.
- Kit for panel installation.

Models available

Code	Description
DGTPKV2	Weight indicator / Transmitter for table or panel mounting, with painted steel case, 20-key keypad, LED display, and standard weighing programme.
DGTPKANV2	Weight indicator / Transmitter for table or panel mounting, with painted steel case, 20-key keypad, LED display, analogue output, and standard weighing programme.
DGTPKPBV2	Weight indicator / Transmitter for table or panel mounting, with painted steel case, 20-key keypad, LED display, Profibus port, and standard weighing programme.

Options only available at time of order

Code	Description
KCEM	Kit of plates and Welmec form for the approval of the system for legal for trade use, for each provided platform/weighing system, connected to Dini Argeo indicator.
DCATEXMB4	Declaration of ATEX conformity of the whole, Ex II 2GD IIC T6 T125°C X system, with relative label of whole system, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). ATEX CONFORMITY DECLARATIONS will be supplied in English.
MSTSLV	Optional program for using the indicator as a universal weight repeater or as a multi-scale repeater (MASTER) in combination with the DFW/DGT/MCW.
TPRPC	Thermal printer for panel mounting for use with weight indicator, with connection cable, 110-240Vac / 5 VDC power adapter included.
TPRP	Thermal printer for panel mounting with connection cable, 5V power supply (power adapter not included).
OBTPRB	Thermal printer in table version for weight indicator, with ABS case, 1,5 m connection cable and internal power adapter.
TECSUP	Technical assistance by telephone or at our premises for instrument configuration and printout formatting. NET HOURLY PRICE.

Accessories

Code	Description
DGTSTF	Kit for panel installation for weight indicator.
ALSW	100-240 VAC 2,1 A 12 Vdc output, switching power adapter
TECMAN	Printed technical manual (free, if downloaded from the web). NET PRICE.
UMAN	Printed user manual (free, if downloaded from the web and available in the CD, fitted with the product). NET PRICE.