

## "DGTQF": MICROCONTROLLER FOR INDUSTRIAL DOSAGE SYSTEMS



High performing microcontroller which, through the simple programming of the parameters, offers the possibility to manage single product dosage systems in loading or in unloading, or multiproduct dosages and mixtures.

CE-M approvable (OIML R-76 / EN 45501).

### MAIN FEATURES

- Easy to use 5-key waterproof keyboard.
- Highly efficient red LED display with 6 13-mm digits and 6 LEDs for showing active functions.
- Case for panel mounting in Abs according to DIN standard, 96x96x80mm (lxhxp). Perforation 90x88 mm (lxh) for panel mounting.
- Calibration, Set-Up parameters, configurable from keyboard or PC with DINI TOOLS.
- Up to 10.000e or multirange 2 x 3000e @ 0,3  $\mu$ V/d for CE-M approved legal for trade use
- Up to displayable 800.000d with internal resolution up to 3.000.000 points.
- Up to **8 signal linearization points** with DINITOOLS (3 from keypad).
- 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.
- Time Date.
- **Memory back-up for saving dosage data in case it's accidentally turned off.**
- Printing the dosage and consumption data.
- From 12 Vdc to 24 Vdc power supply.

### FUNCTIONS

- The instrument, through the simple configuration of the parameters, can manage:

	<p><b>SINGLE PRODUCT DOSAGES IN LOADING</b> automatic as well as manually guided.</p>
	<p><b>SINGLE AUTOMATIC PRODUCT DOSAGES IN UNLOADING</b> with management of the reloading.</p>
	<p><b>MULTIPRODUCT DOSAGES</b>, either automatic or manual.</p>

### I/O SECTION

- RS232/C bidirectional port configurable for connection with external units.
- RS485 bidirectional port configurable for network connection.
- Communication protocol for programming the formulas, products, and cycle management (dosage START/STOP and setting of the formula to be executed).
- Six 150 mA 48 Vac / 150 mA 60 Vdc (NO) photomofet outputs configurables.
- 2 configurable optoisolator photocoupler inputs: 12÷24 Vdc, 5 mA min - 20 mA max for START/STOP dosage.
- Analogue 16 bit output (only for DGTQFAN model), configurable as 4-20mA, 0-5Vdc or 0-10Vdc, proportional to the dosed net or gross weight or to the dosage speed (the maximum applicable load in current is 350 Ohm while the minimum resistance applicable in voltage is 10 kohm).

### Available versions

Code	Description
DGTQF	Microcontroller for dosage industrial systems
DGTQFAN	Microcontroller for dosage industrial systems, with analogue output

**Options only available at time of order**

Code	Description
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use
TPRPC	<a href="#">Thermal printer for panel mounting</a> with >50mm/sec. speed, 203 dpi resolution, 24/40 columns, 58 mm width; 50 mm roll diameter. Inclusive of 110-240Vac/5 VDC power adapter
TPRP	<a href="#">Thermal printer for panel mounting</a> with >50mm/sec. speed, 203 dpi resolution, 24/40 columns, 58 mm width; 50 mm roll diameter. 5 VDC power supply.
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)

**Accessories**

Code	Description
ALSW	100-240 VAC 2,1 A 12 Vdc output, switching power adapter