DINI ARGEO
Scales - Weighing systems

DGTQF

"DGTQF": MICROCONTROLLER FOR INDUSTRIAL DOSAGE SYSTEMS



OIML R76 Approved

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).

Working in cooperation with:

SC DATA SPEED SRL

STR DONATH N. 115/33 - 400331 - JUD. CLUJ
Tel. 0040-264566473 Fax. 0040-364-815440
office@cantare.com.ro

The best solution
for advanced industrial
applications

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.
- A/D 24-bit sigma-delta conversion with 4 channels, up to 200 conv./sec. autoselect.
- Management of a weighing system from 1 to 4 channels (cells) with digital equalization.
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- Up to displayable 1.000.000d with internal resolution up to 3.000.000 points.
- Up to 10.000e or multirange 2 x 3000e @ 0,3 µV/d in CE-M approved version for legal for trade use.
- Calibration, Set-Up parameters, configurable from keyboard or PC with Dinitools.
- Up to 8 signal linearization points with DINITOOLS (3 from keypad).
- Time Date.
- Memory back-up for recording dosage data in case it's accidentally turned off.
- Printing the dosage and consumption data.
- From 12 Vdc to 24 Vdc power supply.

MAIN CERTIFICATIONS

- EC Type Approval (EN45501)
- OIML R76
- OIML R61 - MID

I/O SECTION

- RS232/C bidirectional port configurable for connection with external units.
- RS485 bidirectional port configurable for network connection.
- Six 150 mA 48 Vac / 150 mA 60 Vdc (NO) photomosfet outputs configurables according to the selected dosage function.
- 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. Maximum load applicable on the output current: 350Ohm. Minimum load applicable on the output voltage: 10kOhm.

OPTIONS AND ACCESSORIES

- Thermal printer for panel mounting
- Ethernet interface available using SETHIN unit
- 100-240 VAC 2,1 A 12 Vdc output, switching power adapter

DOSAGE CONFIGURATION

- Available dosage functions:

	Single product dosage in loading functioning
	Single product dosage in unloading functioning
	Multi-product dosage functioning

www.diniargeo.com



DINI ARGEO FRANCE sarl
Nogent-sur-Marne

DINI ARGEO GMBH
Sinsheim - Germany

DINI ARGEO UK Ltd
Taunton - United Kingdom

DINI ARGEO WEIGHING INSTRUMENTS Ltd
Shanghai - China

DINI ARGEO WEIGHBRIDGES
Calto (RO) – Italy

DINI ARGEO
Scales - Weighing systems

HEAD OFFICE
Via Della Fisica, 20
41042 Spezzano di Fiorano Modena - Italy

ATEX

ISO 9001:2008

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SALES AND TECHNICAL ASSISTANCE SERVICE