DINI ARGEO
Scales - Weighing systems

DGT100

DGT100: MAXI WEIGHT INDICATOR-REPEATER



Weight indicator/ repeater with large matrix display composed of very intense bright LEDs. Particularly suitable for outdoor uses, it is clearly visible even in full sunlight and where it's necessary to view from a distance at any angle. Case completely in IP68 stainless steel. CE-M approved (OIML R-76 / EN 45501). MID approved (OIML R-61).

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

- Functional 5-key waterproof keypad.
- Large 6-digit display, 100 mm high, with very efficient SMD LEDs, complete of 6 Leds for indication of active functions, visible from over 25 m, with viewing angle up to 120° and with power up to 750 mcd.
- Software adjustment of the brightness intensity by keyboard.
- AISI 304 stainless steel case with IP68 protection complete of wall fixing bracket.
- Fitted with an anti condensation air valve for regulating the humidity and the pressure inside the indicator.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS.
- Max. 10.000e or multirange 2 x 3000e @ 0,3 µV/d in CE-M approved version for legal for trade use.
- Max. 800.000d viewable with internal resolution up to 3.000.000 points.
- Up to 8 signal linearisation points with DINITOOLS.
- A/D 24 bit sigma-delta 4-channel conversion, max.200 conv./sec. with automatic selection.
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- Management of a weighing system with up to 4 cells with digital equalisation or management of up to 4 independent weighing systems.
- Power supply from 12 to 24 Vdc with 110-240 Vac internal power supplier.
- Available as Scale or as Repeater version.

MAIN CERTIFICATIONS

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

I/O SECTION

- RS232/C bidirectional port configurable for connection to printer, PC, or other external units.
- RS485 bidirectional port configurable for connection to PC, PLC, or other external units.
- PROFIBUS serial interface (DGT100PB model).
- 2 photomosfet outputs: 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 2 optoisolator photocouplers: 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (DGT100AN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice; maximum applicable voltage: 350 Ohm; minimum applicable voltage resistance: 10 kohm.

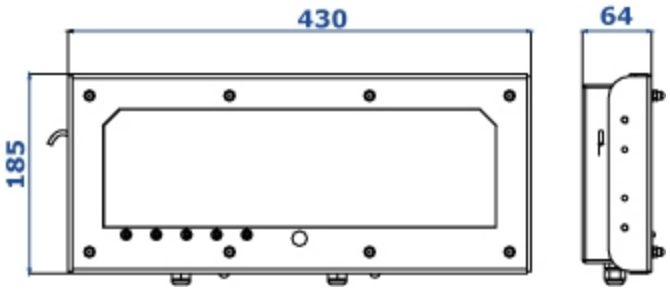
OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Option Box with thermal printer.
- Ethernet interface.
- External 868Mhz radio modem.
- 433MHz radiofrequency remote control.
- Real time clock.
- Alibi Memory.

DGT100BC / DGT100AN / DGT100PB FUNCTIONS

- THROUGH KEYBOARD:
  Zeroing; Semi automatic and presettable tare, print and/or data transmission; ON/Stand-by.
- SELECTABLE:
  High Resolution Weighing x 10; Net/Gross or lb/kg conversion; Weighs totalisation; Formulation; Approved transmission of the weight to PC/PLC (with ALMEM Alibi memory option); 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; Reading/Writing of Alibi Memory.
  DGT100BC and DGT100AN 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 (DGT100AN):
  Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

DETAIL 1



Dimensions in mm

PRESENTATION

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

SC DATA SPEED SRL

STR DONATH N. 115/33 - 400331 - JUD. CLUJ

Tel. 0040-264566473 Fax. 0040-364-815440

office@cantare.com.ro

SALES AND TECHNICAL ASSISTANCE SERVICE