

DGT603GD

DGT603GD: MAXI "GOLIAH" WEIGHT INDICATOR-REPEATER FOR HAZARDOUS AREAS



Weight indicator/ repeater particularly suitable for use in hazardous environments, where it's necessary to view the weight from a distance at any angle. Usable in areas:

ATEX II 3G Ex nR IIC T6 Gc X for gases

ATEX II 3D Ex tc IIIC T85°C Dc IP68 X for dust.

Fitted with a very bright 60mm LED matrix display and IP68 stainless steel case. CE-M approvable (OIML R-76 / EN 45501).

The best solution
for advanced industrial
applications

MAIN FEATURES

- Functional 5-key waterproof keypad.
- Large 6-digit display, 60 mm high, with very efficient SMD LEDs (software adjustment of the brightness intensity), 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.
- IP68 stainless steel case complete of wall fixing bracket.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS.
- Max. 10.000e or multirange 2 x 3000e @ 0,3 μ V/e in CE-M approved version for legal for trade use.
- Max. 800.000 displayable divisions 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.400 conv./sec. with automatic selection.
- Connectable with up to 8 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 110-240 Vac.
- Available as Scale or as Repeater version.

MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R61 - MID
- OIML R51

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 bidirectional port (DGT60PB3GD model).
- 2 MOSFET 150 mA 48 Vac / 150 mA 60 Vdc (NO) outputs, with configurable functions.
- 2 optoisolator photocouplers: 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (DGT60AN3GD model) 4-20mA / 0-5Vdc / 0-10Vdc at choice; maximum applicable voltage: 300 Ohm; minimum applicable voltage resistance: 1 kohm.

TAKE NOTE:

All the cables must be installed and protected according to the standards for electrical equipment.

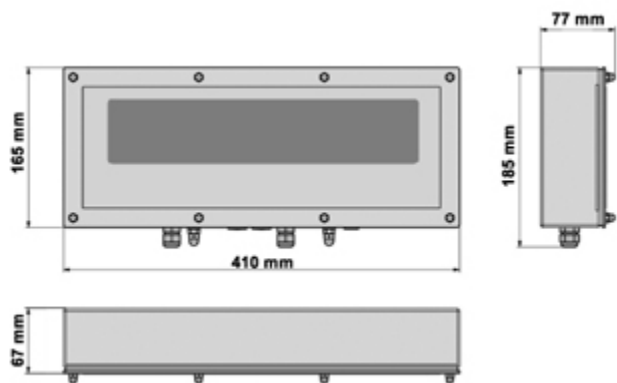
DGT60R REPEATER FUNCTIONS

- Version with specific program 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.

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 Alibi memory ALMEM 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.
DGT60BC3GD and DGT60AN3GD 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 (DGT60AN3GD):
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

DETAIL 1



Dimensions in mm.



“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