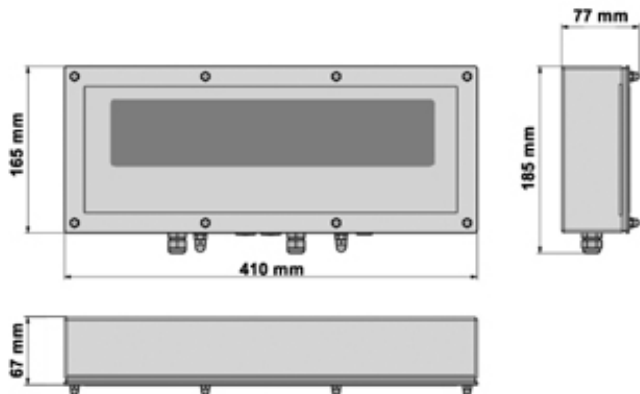


DGT603GD: MAXI "GOLIAH" WEIGHT INDICATOR-REPEATER FOR HAZARDOUS AREAS



DGT603GD: weight indicator / repeater for ATEX zones



Dimensions in mm.

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:

- II 3G Ex nR IIC T6 X
- II 3D Ex tD A22 IP68 T130°C X.

Fitted with a very bright 60mm LED matrix display and IP68 stainless steel case.

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

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 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 110-240 Vac.
- Available as Scale (standard program) or as Repeater version (dedicated program).

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).

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.

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: 350 Ohm;

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Ethernet interface.

minimum applicable voltage resistance: 10 kohm.

- Real time clock.
- Alibi Memory.

TAKE NOTE:

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

Available versions

Code	Description
DGT60BC3GD	Weight indicator/transmitter for ATEX zones, with IP68 stainless steel case, 5-key keypad and 60 mm LED display. Protection mode: ATEX II 3G Ex nR IIC T6 X for gases and ATEX II 3D Ex tD A22 IP68 T130°C X for dust. Complete with manual and DECLARATION OF CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN, DE, FR, and IT. Fitted with standard program (not including the repeater modes).
DGT60AN3GD	Weight indicator/transmitter for ATEX zones, with IP68 stainless steel case, 5-key keypad, 60 mm LED display and 16 bit analogue output. Protection mode: ATEX II 3G Ex nR IIC T6 X for gases and ATEX II 3D Ex tD A22 IP68 T130°C X for dust. Complete with manual and DECLARATION OF CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN, DE, FR, and IT. Fitted with standard program (not including the repeater modes).
DGT60PB3GD	Weight indicator/transmitter for ATEX zones, with IP68 stainless steel case, 5-key keypad, 60 mm LED display and PROFIBUS port. Protection mode: ATEX II 3G Ex nR IIC T6 X for gases and ATEX II 3D Ex tD A22 IP68 T130°C X for dust. Complete with manual and DECLARATION OF CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN, DE, FR, and IT. Fitted with standard program (not including the repeater modes).
DGT60R3GD	Weight repeater for ATEX zones, with IP68 stainless steel case, 5-key keypad and 60 mm LED display. Protection mode: ATEX II 3G Ex nR IIC T6 X for gases and ATEX II 3D Ex tD A22 IP68 T130°C X for dust. Complete with manual and DECLARATION OF CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN, DE, FR, and IT. Fitted with dedicated program (not including the weighing functions).

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.
DCATEX3GD	Declaration of ATEX conformity of whole, Ex II 3GD IIC T6 T130°C X system, with relative label of whole system, for Dini Argeo ATEX weight indicator connected to a mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). ATEX CONFORMITY DECLARATIONS will be supplied in English.
DFCLK	Real time clock for printing/displaying of the date and time.
ALMEM	Alibi memory (fiscal memory, max 120.000 weighs) for approved transmission of the weight to PC/PLC. Real time clock integrated for print of the date/time.
ETH	Ethernet bidirectional port with speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols.
ETHCBRJ	Ethernet cable 1,5 m long, for connection between indicator and PC network (necessary for ETH option).
TECSUP	Technical assistance by telephone or at our premises for instrument configuration and printout formatting. NET HOURLY PRICE.

Accessories

Code	Description
STFR	Stainless steel fixing bracket for mounting the weight indicator on wall, with adjustable inclination.