

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



DGT603GD

FUNCTIONS

- **THROUGH KEYBOARD:**
Zeroing; Automatic and presettable tare; print and/or data transmission; ON/Stand-by; Weighs totalisation; Formulation; Net/Gross weight switch; Counting; Hold; Peak; kg/Lb conversion.
- **REMOVABLE FROM EXTERNAL INPUT:**
Clearing; Automatic tare; Print and/or data transmission; Selected function command; ON/Stand-by.
- **UNIVERSAL WEIGHT REPEATER:**
Connectable to any scale or PC through the RS232 or RS485 serial connection, **with software configuration of the input data string.**
- **THROUGH SERIAL LINE:**
Reading of the net, gross, and tare weights, microvolts or ADC converter for all the channels; Clearing; Automatic and presettable tare; Scale switch; Printing; Message display; Setting of APW in piece counting; Setting of set points of the outputs; Simulation of key pressure; Reading/Writing of Alibi Memory.
- **THROUGH PROFIBUS (DGT60PB3GD):**
Reading of the net, gross, or tare weights; Clearing; Automatic tare; Scale switch; Setting of set points of the outputs; Reading/Writing of Alibi Memory.
- **THROUGH 16 bit ANALOGUE OUTPUT (DGT60AN3GD):**
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

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

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Date/Time
- Alibi Memory
- Ethernet interface

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

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 with very efficient 60 mm SMD LEDs (software adjustment of the brightness intensity), complete of 6 Leds for indication of active functions, visible up to distances 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.**
- Dimensions: 410 x 65 x 165 mm.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS.
- Max. OIML 10.000e or multirange 2 x 3000e @ 0,3 µV/d in approved version for CE-M 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.
- Multistation management (max. 4 Slaves / 1 Master).
- Power supply from 110-240 Vac.
- Configurable as Scale or as Repeater.

I/O SECTION

- RS232 interface for connection to printer, PC, or other external units.
- RS485 interface(DGT60BC3GD and DGT60AN3GD) for connection to PC, PLC, etc.
- MODBUS serial protocol.
- PROFIBUS output (DGT60PB3GD).
- 2 MOSFET 150 mA 48 Vac / 150 mA 60 Vdc (NO) outputs configurable as direct check or upon weight stability, with programmable weight thresholds (disabling and enabling thresholds).
- 2 configurable optoisolator photocouplers: 12÷24 Vdc, 5 mA min - 20 mA max.
- 16 bit analogue output (DGT60AN3GD) programmable as 0-10Vdc, 0-20mA o 4-20mA.

Available versions

Code	Description
DGT60BC3GD	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter
DGT60AN3GD	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, and a 16 bit analogue output , with 110-240 Vac internal power adapter
DGT60PB3GD	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and PROFIBUS output , with 110-240 Vac internal power adapter

Options only available at time of order

Code	Description
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use
DCATEX3GD	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 3GD IIC T6 T130°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for Dini Argeo ATEX weight indicator connected a mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).
ALMEM	Alibi memory (fiscal memory) with time/date; max. 120.000 weighs
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
STFR	Stainless steel bracket for fixing on wall, with adjustable inclination