

# DGT60: MAXI "GOLIAH" WEIGHT INDICATOR-REPEATER



DGT60BC with optional remote control

**Large matrix display composed of very intense bright LEDs. Particularly suitable for use outdoors, also in full sunlight, and where it's necessary to view from a distance at any angle. Case completely in IP68 stainless steel. 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  $\mu$ V/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 12 to 24 Vdc with 110-240 Vac internal power supplier.
- Configurable as Scale or as Repeater.

## 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.
- 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.
- MODBUS serial protocol.
- I/R input for 4-key remote control (remote keyboard).

## OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Option Box with printer / Option Box with modem radio
- 4-key remote control
- Date/Time
- Alibi Memory
- Ethernet interface

## 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.
- **REMTABLE 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 (DGT60PB):**  
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 (DGT60AN):**  
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

## Available versions

### Code Description

DGT60BC 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

DGT60AN Standard version plus **4-20 mA / 0-5 Vdc / 0-10 Vdc 16 bit analogue output**

DGT60PB Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and **PROFIBUS**

## Options only available at time of order

Code	Description
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use
OBTPRI60	<b>Attached</b> thermal printer STAINLESS STEEL option box with >50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter; internal power adapter is included
OBRF	External radio interface, fitted in ABS case with IP65 protection and a 3-metre cable, for <b>weight indicator/repeater</b> . Max. functioning distance in adequate conditions: 70m indoors, 150m outdoors. Up to 50 configurable channels (OBRF must be combined with another radio modem).
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.
OBRF232	868 MHz radio frequency module for PC with RS232 9-pole input, connectable to RS232 ports. Fitted with connection/power supply cable. Max. functioning distance in appropriate conditions: 70m indoors, 150m outdoors. 50 available channels, easily programmable from PC.
DFCLK	Real Time Clock (Time/date)
ALMEM	Alibi memory (fiscal memory) with time/date; max. 120.000 weighs
DFTL	Remote control for use up to 8m, configurable as a single tare key or four keys
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)
LCCBC	Shielded 6-pole cable, 50cm length, for connection to weight indicator, with AMP connector indicator side and 7-pole female solder connector.
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.
RSCBPC	RS232/C cable (1.5 m long) for connection to PC complete of female 9-pole connector
RSCB5	RS232 connection cable without connectors, 5m long, for weight repeater
RSCB10	RS232 connection cable without connectors, 10m long, for weight repeater
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX 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 bracket for fixing on wall, with adjustable inclination
UKPLUG	Power adapter from Schuko to BS1363.
TECMAN	Printed technical manual (free, if downloaded from the web) NET PRICE
UMAN	Printed user manual (free, if downloaded from the web) NET PRICE