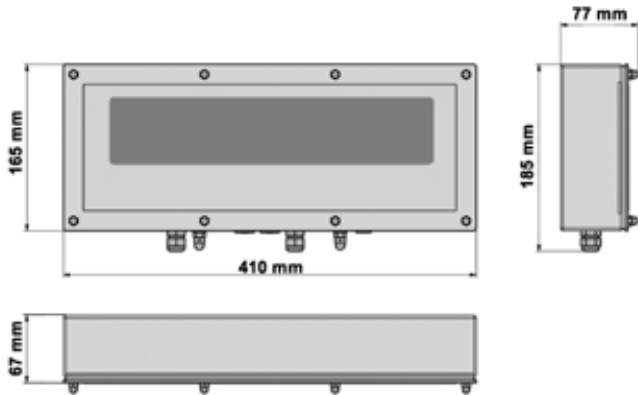


DGT60: MAXI "GOLIAH" WEIGHT INDICATOR-REPEATER



DGT60 indicator / repeater.



Dimensions in mm.

Weight indicator/ repeater with 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, 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.**
- Dimensions: 410 x 67 x 165 mm.
- 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/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.

DGT60BC / DGT60AN / DGT60PB 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;

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 (DGT60PB model).
- 2 photomofet 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 (DGT60AN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice; maximum applicable voltage:

Scale switch; Setting of outputs activation thresholds;
Reading/Writing of Alibi Memory.

DGT60BC and DGT60AN 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 (DGT60AN):**
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

350 Ohm; minimum applicable voltage resistance: 10 kohm.

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 weights of all the scales.

- **UNIVERSAL weight repeater:**

- function which allows to repeat the weight of any scales, through the configuration of the input string.

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.

Available versions

Code	Description
DGT60BC	Weight indicator with IP68 stainless steel case, 5-key keypad, and 60 mm LED display.
DGT60AN	Weight indicator with IP68 stainless steel case, 5-key keypad, 60 mm LED display, and 16 bit analogue output.
DGT60PB	Weight indicator with IP68 stainless steel case, 5-key keypad, 60 mm LED display, and PROFIBUS interface.
DGT60R	Weight repeater with IP68 stainless steel case, 5-key keypad, 60 mm LED display, and configurable protocol.

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.
VENT	Air valve for regulating the humidity and the pressure inside the indicator, advised for IP68 applications.
OBTPRI60	Thermal printer for mounting attached to weight indicator, with stainless steel case, connection cable, internal power adapter for mounting inside the indicator. Combinable with DGT60 series indicator.
OBRF	External 868 MHz radio frequency module, ABS IP65 protecting box, 3 m cable, power supply from weight indicator. Max. distance, in appropriate environmental and installation conditions: 70m indoors, 150m outdoors. 50 configurable channels.

OBRFUSB	868 MHz radio frequency module for PC, with PVC box and 1 m USB/mini USB connecting cable; power supply directly from the USB port. Max. functioning distance, in appropriate environmental and installation conditions: 70m indoors, 150m outdoors. 50 configurable channels. (OBRFUSB must be combined with another radio module).
OBRF232	868 MHz radio frequency module for PC, ABS IP65 protecting box, 3 m RS232 connecting cable, complete with DB9 pin connector and external power supply. Max. functioning distance, in appropriate environmental and installation conditions: 70m indoors, 150m outdoors. 50 configurable channels. (OBRF232 must be combined with another radio module).
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.
TLR	433MHz radio frequency remote control, with 6 keys, for use up to 50 m of distance, in appropriate environmental conditions.
ETH	Integrated Ethernet interface 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. Made up of fairlead.
LCCBC	Shielded cable for platform, l= 50 cm + female connector to be soldered.
LCCB5C	Shielded cable for platform, l= 50 cm + 5 m extension cable.
LCCB10C	Shielded cable for platform, l= 50 cm cable + 10 m extension cable.
RSCBPC	RS232/C cable l= 1,5 m, for the connection of the weight indicator to PC, made up of 9-pole female connector on PC side and wires for terminal connection on indicator side.
RSCB5	RS232 connection cable l= 5 m, for the connection of the weight indicator to a weight repeater, without connectors.
RSCB10	RS232/C cable l= 10 m, for the connection of the weight indicator to a weight repeater, without connectors.
KMB4	Kit of 3 passive safety zener barriers for up to 4 load cells of 350 ohm, housed in an ABS box, for intrinsic protection weighing systems in a hazardous area. Marking of the single barrier: ATEX II (1) GD [Ex ia] IIC [Ex iaD]. Marking of the whole box with three Zener barriers: ATEX II 3G Ex nA II T4 IP65 (-20°C ≤ Ta ≤ +40°C).
DCATEXMB4	Declaration of ATEX conformity of the whole, Ex II 2GD IIC T6 T125°C X system, with relative label of whole system, for NON ATEX weight indicator connected to Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). ATEX CONFORMITY DECLARATIONS will be supplied in English.
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.
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 and available in the CD, fitted with the product). NET PRICE.