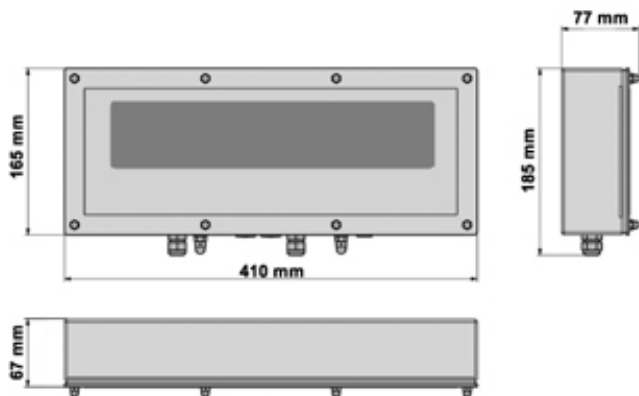


DGT60: MAXI "GOLIAH" WEIGHT INDICATOR-REPEATER



DGT60 indicator / repeater with optional remote control.



Dimensions in mm.

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.

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 photomosfet 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: 350 Ohm: minimum

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 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 12 to 24 Vdc with 110-240 Vac internal power supplier.
- Available as Scale (standard program) or as Repeater version (dedicated program).

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; 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).

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Option Box with thermal printer.
- Ethernet interface.

applicable voltage resistance: 10 kohm.

- I/R input for remote control.

- External 868Mhz radio modem.
- Remote control.
- Real time clock.
- Alibi Memory.

Available versions

| Code | Description |
|---------|--|
| DGT60BC | Weight indicator/transmitter with IP68 stainless steel case, 5-key keypad, 60 mm LED display, and standard program (not including the repeater modes). |
| DGT60AN | Weight indicator/transmitter with IP68 stainless steel case, 5-key keypad, 60 mm LED display, 16 bit analogue output, and standard program (not including the repeater modes). |
| DGT60PB | Weight indicator/transmitter with IP68 stainless steel case, 5-key keypad, 60 mm LED display, PROFIBUS interface, and standard program (not including the repeater modes). |
| DGT60R | Weight repeater with IP68 stainless steel case, 5-key keypad, 60 mm LED display and 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. |
| 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 for weight indicator/repeater, with ABS IP65 protecting box and 3 m RS232 connecting cable; power supply from weight indicator/repeater. Max. functioning distance, in appropriate environmental and installation conditions: 70m indoors, 150m outdoors. 50 configurable channels. (OBRF must be combined with another radio module). |
| 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, with PVC box, 3 m RS232 connecting cable complete with DB9 pin connector and 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. |
| DFTL | Remote control for use up to 8 m of distance. |
| 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). |
| LCCBC | Shielded 6-pole cable for connection to weight indicator, made up of 50 cm cable with quick AMP connector and 7-pole male connector (indicator side) + 5 m extension with 7-pole female connector to be soldered (platform side). |
| LCCB5C | Shielded 6-pole cable for connection to weight indicator, made up of 50 cm cable with quick AMP connector and 7-pole male connector (indicator side) + 5 m extension with 7-pole female connector (platform side). |
| LCCB10C | Shielded 6-pole cable for connection to weight indicator, made up of 50 cm cable with quick AMP connector and 7-pole male connector (indicator side) + 10 m extension with 7-pole female connector (platform side). |
| 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. |
| 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 MB4 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. |