"DFWLID": STAINLESS STEEL WEIGHT INDICATOR WITH LARGE DIGITS LCD

Easy to programme and use, versatile and high performing IP68 stainless steel weight indicator. The 40mm big colored backlit display gives a clear view of the weight and helps the user during the weighing operations. The wide range of available functions and interfaces make it suitable for multiple industrial and commercial weighing applications, such as floor scales, mobile weighing, etc. Fitted with built-in rechargeable battery. CE-M approvable (OIML R-76/EN 45501).

IP68 stainless steel DFWLID indicator.

The color of the backlight, in the tolerance control function, automatically changes depending on the weight.

I/O SECTION

MAIN FEATURES

- 5-key functional waterproof keypad.
- Backlit 40mm LCD display with 6 high contrast digits with icons for showing the active functions.
- Color and brightness of the backlighting, customizable from Setup.
- Easy to clean stainless steel IP68 case, resistant to harsh and corrosive environments.
- Dimensions: 243x145x78,4mm.
- Suitable for use on the table, column, or wall.
- A/D 24 bit, 4 channel converter, max. 200 conv./sec. autoselect, and up to 8 signal linearisation points.
- Up to 10.000e or multirange 3 x 3000e @ 0,3 µV/e in CE-M approved versions for legal for trade use.
- Up to 1.000.000 displayable divisions with internal

- RS232/C bidirectional port on RJ connector for quick connection **(or optional RS485)** on screw terminal, configurable for PC, PLC, or additional remote display.
- RS232/C bidirectional port configurable for connection to printer or labeller.

- resolution up to 3.000.000 points.
- Connection with up to 8 load cells with input resistance equal to 350 Ohm or up to 16 cells of 700 Ohm each.
- Digital calibration and Set-Up from keypad or from PC through DINITOOLS.
- Power supply through built-in rechargeable battery, with 40h operating time, and fitted with external battery charger.
- "DFWLIP" power source through internal power supply (version with no internal battery provided).

FUNCTIONS

- **MAIN FUNCTIONS:**
  - Zeroing
  - Automatic tare
  - Presettable tare
  - Printing in 1, 2 or 3 copies
  - Data transmission to PC

- **OPERATING MODES:**
  - High Resolution Weighing x 10
  - Net/Gross or lb/kg conversion
  - Accumulation
  - Formula weighing
  - +/- Checkweighing
  - Percentage weighing
  - Approved transmission of the weight to PC/PLC (with Alibi memory ALMEM option)
  - Counting
  - Hold

- **OPTIONAL FUNCTIONS:**
  - PEAK, detection of weight peaks (code DFWPK)
  - Newton to Kg converter (code

DFWPK)
- Input-output (on request)

- Access to the user menu is gained using the dedicated key* to adjust the weighing filter, date and time, setpoint and tare weight, which the user can access by entering a programmable access password.

  These quick access keys to the menus can be blocked by configuring a dedicated password.

Available versions

Code	Description
DFWLID-3	Weight indicator with battery and external battery charger. IP68 stainless steel case, 40mm LCD display with color backlit and 5 waterproof keys.
DFWLIP-1	Weight indicator with internal power supply. IP68 stailess steel case with 40mm LCD display with color backlit and 5 waterproof keys.

Power supply

Code	Description
PWNIMHUK-1	Power supply with BS1363 UK plug for NiMH battery charger
PWCORDUK	Power supply cord with BS1363 plug (UK plug).

Available firmwares

Code	Description
DFWPK	Program for detecting weight peaks or kg to N conversion

Junction Box / Boards - Cell cables

Code	Description
LCCBC	(S1) Cable for connection between platform and indicator, l=50cm. Female connector to be soldered.

LCCB5C   (S1) LCCBC cable + 5m extension cable.

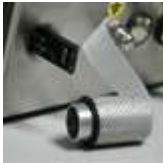LCCB10C (S1) LCCBC cable + 10m extension cable.

Approval

Code	Description
KCEM	Plates and Welmec form for legal trade use of a scale. NET PRICE. Service available in combination with a Dini Argeo indicator.

Storing the weighs (only at time of order)

Code	Description
SWM	WeiMonitor PC program to monitor and record in real time weighings performed on the connected scale(the price is intended for the license to manage one scale).
USBDFWL	Built-in USB port to store data on a USB driver. To be combined with DFWLI and DFWLKI weight indicators. Fitted with USB key for PC.

PC software for managing weighbridges

Code	Description
WEITRUCK-1	PC software for vehicle weighing. Combinable with DFW, DGT and 3590 series' weight indicators. Databases for storing the customer, material, and vehicle data, management of the totals and programmable printouts. Requires an Alibi Memory.

Printers/Labellers

Code	Description
CNFSERV	Custom-made printouts for DFW and DFWL series. NET price.
LP542S	(S1) Direct thermal labeller.
LP542TT	(S1) Thermal transfer or direct termal labeller. Peel-off kit in option.

 SMTPLUS-1 (S1) Thermal transfer or direct termal labeller. Peel-off kit in option.

 RSCBLP (S1) RS232 cable l=1,5m for LP542xx, SMTPLUS, PR80 printers.

 RSCBLP10M (S1) RS232 cable l=10m for LP542xx, SMTPLUS, PR80 printers.

Communication Interfaces

Code	Description
RSCBUSB485	USB cable converter PC/RS485, l=1,5m. With metallic PG9 cable gland. To be combined with an indicator fitted with optional or standard RS485 output.
ETHD	(S1) Built-in Ethernet interface. Speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols.
RS485C	(S1) Built-in RS485 interface (mounting and cable gland excluded).
BLTH-2	(S1) Built-in bluetooth interface. For wireless connection to the portable PC or PDA. Weighing app downloadable from Google Play.
ALMEM-1	(S1) Alibi memory (fiscal memory, max 120.000 weighs) for approved weight transmission to PC/PLC or data recording on MMC/USB. Built-in real time clock to print the date/time with PCB, screw terminal, plastic box and UL-marked labels (if applicable).

Connection cables

Code	Description
RSCBUSBPG	(S1) USB PC/RS232 converter cable, l=1,5m, with PG9. USB/RJ11 connector. For the connection to weight indicators with IP65 and IP68 protection system.
RSCBRJ	(S1) RS232/C serial cable - DB9/RJ11 - l=1,5m.

RSCBRJ10M (S1) RS232/C serial cable - DB9/RJ11 - l=10m.

Weight repeaters

Code	Description
DGT100R-1	Weight repeater with 100mm LED display. IP68 stainless steel case, 5-key keypad, air valve for regulating the humidity and the pressure.

Date&Time option

Code	Description
	DFCLK (S1) Real time clock for printing/displaying of date and time. With UL marked PCB, screw terminal, plastic box and labels (if applicable).

Columns and supports

Code	Description
STFR-1	Stainless steel fixing bracket with adjustable inclination. For mounting the weight indicator on wall.
KWR10	Kit of 4 rubber wheels and galvanized steel frame for CSP column. A pair of idler wheels and a pair with brakes.
CSP38I-1	Stainless steel column 450x450mm, h=917mm, Ø 38mm. For the indicators of the DINI ARGEO and SCALE HOUSE range.
CSP38	Stainless steel column 450x450mm, h=917, Ø 38mm. Painted steel base. For the indicators of the DINI ARGEO and SCALE HOUSE range.
CSP38D	Stainless steel column 350x350mm, h=750mm. Painted steel base. For the indicators of the DINI ARGEO and SCALE HOUSE range.

Options for ATEX version

Code	Description
ZBA1S	Intrinsic protection three channel Zener barrier. Specific for connection to load cells, for mounting on DIN rail in a safe area, or in a flame-proof case. Marking: ATEX/IECEx II (1) GD [Ex ia Ga] IIC [Ex ia Da] IIIC. Manual and ATEX UE CONFORMITY DECLARATIONS (available in EN, DE, FR, ES and IT).
KZBA	ATEX ABS housing kit with Zener Barrier ZBA1S for load cells. For intrinsically safe weighing systems in a dangerouse zone. Dimensions 180x180x150mm. It can connect up to 4 Load Cell of 350 Ohm. Marking of housing + Zener Barrier ZBA1S: ATEX II 3(1)G Ex nA [ia Ga] IIC T4 Gc (-20°C ≤ Ta ≤ +50°C) for gas, ATEX II 3(1)D Ex tb [ia Da] IIIC T130°C Dc IP65 (-20°C ≤ Ta ≤ +50°C) for dust. Manual and ATEX UE declarations of conformity (available in EN, DE, FR, ES and IT).
KMB4	Kit of 3 ATEX Zener barriers for load cells, in an ABS box. For up to 4 load cells of 350 ohm, for intrinsic protection weighing systems in a dangerouse area. Marking of the whole box with three Zener barriers: ATEX II 3(1)G Ex nA [ia Ga] IIC T4 Gc (-20°C ≤ Ta ≤ +40°C) for gas, ATEX II 3(1)D Ex tb [ia Da] IIIC T130°C Dc IP65 (-20°C ≤ Ta ≤ +40°C) for dusts. Manual and certificates in English.
DCATEXMB4	ATEX declaration for the whole system with Dini Argeo Zener barriers. Ex II 2G IIC T6 Gb X e Ex II 2D IIIC T125°C Db X system, with label of the whole system, for weight indicator connected to Dini Argeo zener barriers, connected to a mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).
JB4QA	ATEX equalisation box made of ABS IP67, for up to 4 cells. 4 + 1 fairleads. Protection rates: ATEX II 2G Ex ib IIC T6 Gb for gases, ATEX II 2D Ex tb IIIC T115°C Db IP65 for dusts. Provided with manual and ATEX CE DECLARATIONS OF CONFORMITY (available in EN, DE, FR and IT).
JB4QAI	ATEX equalisation box made of STAINLESS steel IP66 for up to 4 cells. 4 + 1 fairleads. Protection rates: ATEX II 2G Ex ib IIC T6 Gb for gases, ATEX II 2D Ex tb IIIC T115°C Db IP65 for dusts. Provided with manual and ATEX CE CONFORMITY DECLARATIONS (available in EN, DE, FR and IT).
EXCB6	(S6) Shielded, blue, 6x0,22mm² cable, for EX i (2GD) applications. €/m

Remote control

Code	Description
DFTL12-1	(S1) 19-keys remote control and infrared receiver kit (max 8m).

PG cable glands

Code	Description
PG7M	10 PG7 metallic cable gland set for weight indicators.
PG9M	10 PG9 metallic cable gland set for weight indicators.
PG9PG11C	Kit of 10 metalic IP68 from PG9 to PG11 adapters (ø max cable 12mm)
PG9PG13C	Kit of 10 metalic IP68 from PG9 to PG13 adapters (ø max cable 12mm)

Other options

Code	Description
VENT	(S1) Valve for regulating humidity and pressure inside the indicator. Advised for IP68 applications.
TECSUP	Technical assistance by telephone upon request.
UMAN	Printed user manual (Free download on the website).
TECMAN	Printed technical manual (Free download on the website).
ECEMDOC	Printed EU declaration of conformity, EU certificate of verification, test certificate and metrological book (free download from our website, only for approved CE-M products). NET €.

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