

DFWLI": MULTIFUNCTION WEIGHT INDICATOR, IN IP68 STAINLESS STEEL CASE



SELECTABLE FUNCTION MODES

- The user can select the operating modes directly using the dedicated key*:
 - High resolution display x 10
 - Precision weighing with temporary recalibration via a sample weight (for internal factory use)
 - Net/Gross
 - Newton to Kg converter
 - Lb to Kg converter

Easy to programme and use, versatile and high performing weight indicator. 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. Case in IP68 stainless steel. CE-M approvable (OIML R-76/EN 45501).

MAIN FEATURES:

- 5/17-key functional waterproof keypad, with indication for quick access to main functions and regulations.
- LCD 25mm backlit display with 6 high contrast digits and icons for indication of active functions.
- **Waterproof IP68 STAINLESS STEEL case**, with sealed rubber gasket, easy to clean and resistant in harsh and corrosive environments.
- Dimensions in mm: 243x145x78,4 mm.
- Suitable for use on the table, column, or wall.
- A/D 24 bit converter, 4 channels, up to 200 conv./sec. autoselect and up to 8 signal linearisation points.
- Up to 10.000e or multirange 3 x 3000e @ 0,3 μ V/d in CE-M approved version for legal for trade use.

- Free conversion factor (for meter and litre counters etc.)
- Weight totalizer
- Formulizer
- +/- controller with quick target and threshold input
- Percentage weighing
- Percentage batching with programmable target
- Piece counter
- Hold
- Two-speed filling/batching with reset upon starting (with optional DFIO)

The “alibi memory” and “setpoint” functions are available in combination with the required operating mode and they are activated automatically when installing the relevant optional board.

- Optional functions:
 - PEAK, detection of weight peaks (code DFWPK)
 - Newton to Kg converter (code DFWPK)
- 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.*

MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)
- OIML R76

- Up to 1.000.000 displayable divisions with built-in 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 with DINITOOLS.
- Power supply 110-240 Vac.

I/O SECTION

- RS232/C port configurable for connection with printer/labeller, or for attached printer.
- RS232/C (or optionally RS485) bi-directional port configurable for PC, PLC, remote display, and radio modem. Quick RJ RS232 plug connection.

KEYBOARD FUNCTIONS

- Zeroing, Automatic tare, Presetable tare, printing and/or data transmission, selectable function command, on/off switching, backlit setting, function mode quick selection, user menu.

MASTER/REPEATER OPTION

- Specific program (MSTSLV code) 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 weighs of all the scales.
- **UNIVERSAL weight repeater:** function which allows to repeat the weight of any scales, through the configuration of the input string.


AVAILABLE FUNCTIONS FROM REMOTE CONTROL

- **Radiofrequency 6-key remote control:** zero, tare, enable / disable function, print, switch-off.

Available versions

	Code	Description
	DFWLI-2	Weight indicator with 5-key keypad. IP68 stainless steel case, LCD backlit display, and standard weighing programme.
	DFWLKI-2	Weight indicator with 17-key keypad. IP68 stainless steel case, LCD backlit display, and standard weighing program.

Optional power supply cords

	Code	Description
	PWCORDUK	Power supply cord with BS1363 plug (UK plug).



PWCORDCH Power supply cord with SEV1011 plug (CH plug).

Available firmwares



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

Junction Box / Boards - Load 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.
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LCCB10C	(S1) LCCBC cable + 10m extension cable.
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Approval for sale to third parties



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




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.
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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
 OBTPRB	(S1) Thermal printer in table version. For weight indicator, with IP40 ABS case, 1,5 m connection cable and internal power adapter.
 LP542S	(S1) Direct thermal labeller.
 LP542TT	(S1) Thermal transfer or direct thermal labeller. Peel-off kit in option.
 SMTPLUSPRO	(S1) Thermal transfer or direct thermal 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.
CNFSERV	Custom-made printouts for DFW and DFWL series. NET price.

Communication Interfaces

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.



[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.



DFIO (S1) Built-in 2 IN / 2 OUT interface (not combinable with ALMEM).



RS485C (S1) Built-in RS485 interface (mounting and cable gland excluded).



[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).



[BLTH-2](#) (S1) Built-in bluetooth interface. For wireless connection to the portable PC or PDA. Weighing app downloadable from Google Play.

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).

Connection cables

Code Description



RSCBRJ (S1) RS232/C serial cable - DB9/RJ11 - l=1,5m.








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




ETHCBRJ (S1) Ethernet cable, l=1,5m. Made up of fairlead, for connection between indicator and PC network.


Columns, supports brackets, visors

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.


Weight repeater software

Code	Description
 MSTSLV	Program for using the indicator as a repeater. It must be combined with the DFW and DGT weight indicators.

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.

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 dangerous 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 dangerous 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 and II 2D III 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

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 metallic IP68 from PG9 to PG11 adapters (ø max cable 12mm)



PG9PG13C Kit of 10 metallic 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 €.

DOWNLOAD

- [DiniTools 4.21.10.zip](#)
- [EC TEST CERTIFICATE GB-1461 Rev13.pdf](#)
- [USER MAN DEU DFW v4 R3.pdf](#)
- [USER MAN ENG DFW v4 R3.pdf](#)

- [▼ EU TYPE EXAMINATION CERTIFICATE UK2931 Rev 6.pdf](#)
- [▼ OIML CERTIFICATE R76 2006-GB1-11.02 REV 2.pdf](#)
- [▼ Setup Weimonitor 4.15.4.exe](#)
- [▼ TECH DRAWING DFVLI.pdf](#)
- [▼ TECH MAN ENG DFW v5.pdf](#)
- [▼ USER MAN ESP DFW v4 R3.pdf](#)
- [▼ USER MAN FRA DFW v4 R3.pdf](#)
- [▼ USER MAN ITA DFW v4 R3.pdf](#)
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