"DFWL": MULTIFUNCTION WEIGHT INDICATOR

High performance and reliability at a competitive price. The DFWL digital weight indicator is versatile and easy to programme and use. The wide range of available functions and interfaces, make it suitable for many different kinds of industrial and commercial weghing applications. Suitable for pallet truck scales, fork lifts and automotive. Standard fitted with a support bracket with adjustable inclination, for use on the table, column, or wall. CE-M approvable (OIML R-76 / EN 45501).

DFWL: multifunction weight indicator.

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
  - Lb to Kg converter
  - Free conversion factor (for meter and litre counters etc.)
  - Weight totalizer
  - Formulizer
  - +/- controller with quick target and threshold input
  - Percentage weighing
  - Piece counter
  - Hold

MAIN FEATURES:

- Weight indicator with ABS case, 25mm backlit LCD display with 6 high contrast digits and icons for showing the active functions. 5-key functional waterproof keypad.
- Easy to clean **ABS IP54 case**, resistant to harsh and corrosive environments.
- Suitable for use on the table, column, or wall.
- Fitted with fixing bracket with adjustable inclination.
- 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/d in CE-M approved versions for legal for trade use.
- Up to 1.000.000 displayable divisions with internal

The "alibi memory" function is available in combination with the required operating mode and it is 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.

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 from 5 to 12Vdc.
- Supplied as standard with 4 AA batteries extractable drawer (batteries not included), and 12V external power adapter (if connected it excludes the battery supply).

MAIN CERTIFICATIONS

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

I/O SECTION

- RS232/C bidirectional port on RJ11 connector for quick connection on screw terminal, configurable for PC, PLC, or additional remote display.
- RS232/C bidirectional port configurable for connection to printer or labeller.

DOWNLOAD
- ADV_CONF_ENG_DFW_v4.pdf
- DiniTools_4.21.10.zip
- EC_TEST_CERTIFICATE_GB-1461_Rev13.pdf
- EU_TYPE EXAMINATION CERTIFICATE_UK2931_Rev 6.pdf
- OIML_CERTIFICATE_R76 2006-GB1-11.02 REV 2.pdf

- TECH_MAN_ENG_DFW_v5.pdf
- USER_MAN_DEU_DFW_v4_R3.pdf
- USER_MAN_ENG_DFW_v4_R3.pdf
- USER_MAN_ESP_DFW_v4_R3.pdf
- USER_MAN_FRA_DFW_v4_R3.pdf

- ⬇[Setup_Weimonitor_4.15.4.exe](#)
- ⬇[TECH_DRAWING_DFWL.pdf](#)
- ⬇[USER_MAN_ITA_DFW_v4_R3.pdf](#)
- ⬇[Last Firmware Revision News](#)

Available versions

Code	Description
DFWL-1	Weight indicator with ABS case and 5-key keypad. Backlit LCD display and standard weighing program.

Other options

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

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).

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 termal abeler. Peel-off kit in option.

SMTPLUSPRO (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.

CNFSERV Custom-made printouts for DFW and DFWL series. NET price.

Communication Interfaces

Code	Description
RSCBUSB-1	USB PC/RS232 converter cable, l=1,5m. USB/RJ11 connector.

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).

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.

Columns, supports brackets, visors

Code	Description
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 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.

Remote control

Code	Description
DFTL12-1	(S1) 19-keys remote control and infrared receiver kit (max 8m).
IR8M	Infrared input for IR remote control.

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.

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 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
	PG7P	10 PG7 ABS cable gland set for weight indicators.
	PG9P	10 PG9 ABS 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)

Options only available at time of order

Code	Description
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 €.

VKT-Tuotanto