

"DFWR - RED LED": INDICATOR WITH VERY BRIGHT RED LED DISPLAY



Digital weight indicator, with very bright and efficient red LED, easily visible from all angles, from long distances. Brightness intensity is easily adjustable. Its high performance and available programmes make it suitable for all industrial and commercial applications. CE-M approvable (OIML R-76 / EN 45501).

MAIN STANDARD FEATURES

- Waterproof 17-key functional keyboard.
- **Very bright red LED display with 6 digits** 25 mm high; easily visible from all angles and from long distances, with adjustable brightness intensity.
- Complete of 6 Leds for showing the active functions.
- Easy to clean **ABS waterproof IP65** enclosure; resistant to harsh and corrosive environments (IP40 on version with thermal printer).
- Dimensions in mm: 278x125x186.
- Suitable for use on the table, column, or wall.
- Fitted with attached thermal printer and real time clock in the DFWRP version.
- A/D 24 bit, 4 channel converter, 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/e in CE-M



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
- 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)
 - 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 FUNCTIONS FROM REMOTE CONTROL

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

MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)

approved version for legal for trade use.

- Up to 1.000.000 divisions displayable with built-in resolution up to 3.000.000 points.
- Calibration and digital Set-Up from the keyboard or from PC with DINITOOLS.
- Built-in rechargeable battery (60 hours with a 350 Ohm load cell) and internal 110-240 Vac adapter.
- Connection with up to 8 load cells having an input resistance of 350 Ohm or with up to 16 cells of 700 Ohm.

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.

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.

17-key Version: Database of 30 tares, 2 Numeric IDs, keyboard lock, repetition of last printout

- OIML R76

made, quick target insertion, APW, threshold and setpoint.

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 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.

Available versions

Code	Description
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DFWR	Indicator with red LED display. IP65 ABS case, 17-key keypad, and standard weighing programme.
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DFWRP	Indicator with red LED display, printer and real time clock. IP65 ABS case, 17-key keypad, LED display, and standard weighing programme.
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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

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.

Junction Box / Boards - Load Cell cables

	Code	Description
	DFW4CH	(S1) Internal board for a quick connection of up to 4 (equalised) scales.
	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.

Printers/Labellers

Code Description
[LP542S](#) (S1) Direct thermal labeller.



[LP542TT](#) (S1) Thermal transfer or direct thermal labeller. Peel-off kit in option.



[SMTPLUS-1](#) (S1) Thermal transfer or direct thermal labeller. Peel-off kit in option.



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



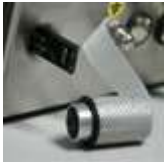
RSCBLP10M (S1) RS232 cable l=10m for LP542xx, SMTPLUS, PR80 printers.



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

Storing the weighs (only at time of order)

Code Description




[USBC](#) (S1) Built-in USB port kit for data storing on USB key. Fitted with USB key for PC.

USBK Set of 5 USB keys for recording the weighs.






[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).

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.

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.
 OBRF-2	(S1) External 868 MHz radio module, cable l=3m. 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.
 OBRF232-2	External 868 MHz radio module with ABS box and cable l=3m. Fitted with DB9 connector and external power adapter. Max. functioning distance, in appropriate environmental and installation conditions: 70m indoors, 150m outdoors. 50 configurable channels. (OBRF232 must be combined with another radio module).
 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).
 DFIO	(S1) Built-in 2 IN / 2 OUT interface (not combinable with ALMEM).
 DAC16O-1	(S1) Built-in analog output, 0-4/20 mA, 0-10VdC (cable gland excluded). For DFW, 3590 and CPW indicators. NOTE: For 3590, only with IOEXPB optional board. This interface is not available on its own, always to be combined with a weight indicator when ordering.
 BLTH-2	(S1) Built-in bluetooth interface. For wireless connection to the portable PC or PDA. Weighing app downloadable from Google Play.



WIFITD-1

(S1) Built-in WI-FI interface. For wireless connection (through access point) to the company computer system.



ETHD

(S1) Built-in Ethernet interface. Speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols.



DF485

(S1) RS485 bidirectional port for DFW series.

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.

Control light

Code Description



OBCLTP (S1) ABS 3 way control light (for indicator with relais output). Acustical alarm, connexion cable, power supply from indicator.

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 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

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

GLR100 RS485 alphanumeric repeater with 110 mm multicolour LED display











[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
 STFI-1	Stainless steel fixing bracket. For mounting the weight indicator on wall.
 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.

Keyboard protection cover

Code	Description
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CVRXP Kit of 10 moulded protective covers in transparent plastic. For indicator DFWXP or 3590EXP with ABS case.

Remote control



Code Description

TLR- (S1) Radio frequency remote control and receiver. 433MHz, with 6 key, for use up to 50 m of distance, in appropriate environmental conditions (incompatible with repeater indicator or MSTSLV option).

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 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)



Accessories

Code Description

TECMAN Printed technical manual (Free download on the website).

UMAN Printed user manual (Free download on the website).

TECSUP Technical assistance by telephone upon request.

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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