

# DFWLID: Stainless Steel Weight Indicator With Large Digits LCD



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2026



## Standard 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  $\mu$ V/e in CE-M approved versions for legal for trade use.

- Up to 1.000.000 displayable divisions with internal 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.
- "DFWLIP" power source through internal power supply (version with no internal battery provided).

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. CE-M approvable (OIML R-76/EN 45501).

# DFWLID Specifications

## I/O Section:

- 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.

## Functions:

- **MAIN FUNCTIONS:-**
  - Zeroing
  - Automatic tare
  - Presetable 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

## Main Certifications:

Australian legal for trade certificate of approval (NMI S788)

## 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.*

## Languages available for printing

- IT, EN, FR, DE, ES, PT, CN\*, EL\*

\* For Chinese and Greek a programming of the printer/labeller is required (S1, only at the time of order)

## Parts

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Part #	Description
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### Available Versions

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

## Options

Part #	Description
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### International Power Plugs

AUS-V4	Version with AU charger.
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UK-V4	Version with UK charger.
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US-V4	Version with US charger.
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### International Power Cables

PWCORDAUS	Version with AU power cord.
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PWCORDCH	Power supply cord with SEV1011 plug (CH plug).
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PWCORDUK	Version with BS1363 power cord (UK plug).
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PWCORDUS	Version with US type B power cord (Japan, North and Central America).
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### Available Firmwares

DFWPK	Program for detecting weight peaks or kg to N conversion
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### Junction Box / Boards - Load Cell Cables

LCCBC	Cable for connection between platform and indicator, l=50cm. Female connector to be soldered.
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LCCB5C	LCCBC cable + 5m extension cable.
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LCCB10C	LCCBC cable + 10m extension cable.
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### Approval for Sale to Third Parties

KCEM	Plates and Welmec form for legal trade use of a scale. NET PRICE. Service available in combination with a Dini Argeo indicator.
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ECEM-AU	Single platform/scale legal-for-trade approval for Australia.
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### Storing Weighments

SWM	"WeiMonitor" PC program to monitor and record in real time weighs performed on the connected scale (the price is intended for the license to manage one scale).
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USBDFWL-1	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

WEITRUCK-1	PC software for vehicle weighing. It can be combined with DFW, DGT and 3590 series' weight indicators. Databases to store customer, material and vehicle data, management of the totals and programmable printouts. Alibi Memory is required for DFW/DGT (3590 series is equipped with alibi memory as standard).
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Part #	Description
<b>Printers / Labelers</b>	
<b>OBTPRB</b>	Table thermal printer. For weight indicator, with IP40 ABS case, 1,5 m connection cable and internal power supply. Thermal paper roll included as standard.
<b>CODEPG</b>	Service for loading a customised code-page on TPR printer (standard is PC437 - Central Europe, USA)
<b>LP542TE</b>	Thermal transfer or direct thermal labelling machine Supplied with standard peel mechanism. Maximum printing size 25400 x 108 mm. Maximum roll Ø 127 mm and width up to 112 mm. Label roll and ribbon not included.
<b>SMTPLUS-2</b>	Thermal transfer or direct thermal labeller. Peel-off kit in option. Maximum print size 25400 x 108 mm. Maximum roll Ø 203 mm and width up to 118 mm. Label roll and ribbon not included.
<b>RSCBLP</b>	RS232 cable l=1,5m for LP542xx, SMTPLUS printers.
<b>RSCBLP10M</b>	RS232 cable l=10m for LP542xx, SMTPLUS printers.
<b>CNFSERV</b>	Custom-made printouts for DFW and DFWL series. NET price.
<b>Communication Interfaces</b>	
<b>RSCBUSB485</b>	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.
<b>OBRF2G4</b>	External 2.4 GHz 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: 45 m indoors, 140m outdoors. 39 configurable channels.
<b>RF2G4</b>	Built-in 2.4 GHz radiofrequency module. Max. functioning distance in appropriate environmental and installation conditions: 45m indoors, 140m outdoors. Up to 39 configurable channels. (RF2G4 must be combined with another radio module).
<b>WIFITPWLK-2</b>	Built-in WI-FI interface. For wireless connection (through access point) to the company computer system.
<b>DFIO-1</b>	Built-in 2 IN / 6 OUT interface (requires FW 05.05.00 or higher).
<b>ETHD</b>	Built-in Ethernet interface. Speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols.
<b>ALMEM-1</b>	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, it requires FW 05.00.02 or higher. Not compatible with weight repeaters.
<b>RS485C</b>	Built-in RS485 interface (mounting and cable gland excluded).
<b>WPAN-CL</b>	Classic WPAN device, complete with AMP cable and integrated antenna.
<b>Connection Cables</b>	
<b>RSCBUSBPG</b>	USB PC/RS232 converter cable, l=1,5m, with PG9. USB/RJ11 connector. For the connection to weight indicators with IP65, IP68 and IP69K protection system.
<b>RSCBRJ</b>	RS232/C serial cable - DB9/RJ11 - l=1,5m.

Part #	Description
RSCBRJ10M	RS232/C serial cable - DB9/RJ11 - l=10m.
ETHCBRJ	Ethernet cable, l=1,5m. Fitted with fairlead, for connection between indicator and PC network.

## Weight Repeaters

DGT100R-1	Weight repeater with 100mm LED display. IP68 stainless steel case, 5-key keypad, air valve for regulating the humidity and the pressure.
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## Date & Time Option

DFCLK	Real time clock for printing/displaying of date and time. With UL marked PCB, screw terminal, plastic box and labels (if applicable).
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## Columns, Supports Brackets, Visors

STFR-1	AISI 304 stainless steel fixing bracket with adjustable inclination. For weight indicator wall mounting.
CSP38I-1	AISI 304 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

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. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR, ES and IT).
KZBA-1	ATEX ABS housing kit with Zener Barrier ZBA1S for load cells. For intrinsically safe weighing systems in a dangerous zone. Dimensions 179x359x166,5mm. Marking of housing + Zener Barrier ZBA1S: ATEX II 3(1)G Ex nA [ia Ga] IIC T4 Gc X for gas, ATEX II 3(1)D Ex tc [ia Da] IIIC T135°C Dc IP66 X for dust. Provided with safety instructions and the ATEX EU declaration of conformity (EN and IT).
KMB4-1	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. Provided with safety instructions and the ATEX EU declaration of conformity (EN and IT).
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). Provided with descriptive document of the assembly and ATEX EU declaration of conformity of the assembly (EN and IT).
JB4QA	ATEX equalisation box made of ABS IP67, for up to 4 cells. 4 + 1 fairleads. Marking: ATEX II 2G Ex ib IIC T6 Gb for gases, ATEX II 2D Ex tb IIIC T115°C Db IP65 for dust. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR, ES and IT).

Part #	Description
<b>JB4QAI</b>	ATEX equalisation box made of stainless steel IP66 for up to 4 cells. 4 + 1 fairleads. Marking: ATEX II 2G Ex ib IIC T6 Gb for gases, ATEX II 2D Ex tb IIIC T115°C Db IP65 for dusts. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR, ES and IT).
<b>EXCB6</b>	Blue shielded cable 6x0.22 mm <sup>2</sup> , only for EX i (2GD) assemblies. PVC inner sheath. Tinned copper braid shielding. Polyurethane outer sheath, diameter 5.8 mm. Temperature range: -40 / +80 °C. Minimum bending radius >= 7 x O.D. €/m. Maximum orderable length: 100 m (longer lengths available only upon request).

## Remote Control

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

## PG Cable Glands

**PG7M** 10 PG7 metallic cable gland set for weight indicators. Complete with rings and gaskets.

**PG9M** 10 PG9 metallic cable gland set for weight indicators. Complete with rings and gaskets.

**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

**TECSUP** Technical assistance by telephone upon request.

**TECMAN** Printed technical manual (Free download from the website).

**UMAN** Printed user manual (Free download from 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 €.

**VENT** Valve for regulating humidity and pressure inside the indicator. Advised for IP68 applications.

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