"DFWLI PLUS": MULTIFUNCTION WEIGHT INDICATOR ADVANCED VERSION WITH IP68 STAINLESS STEEL CASE

This indicator is the advanced version of the DFWLI series, with new high-end functions, such as:

- Up to 3 serial ports: 2 bi-directional RS232 ports as standard and 1 additional RS485 port (optional).
- Fully customisable weight string
- Customisable weight reading command
- Can integrate an opto-isolated analogue output (optional), configurable to 4-20mA or 0-10Vdc
- Modbus ASCII/RTU
- Ready for communication with D-LEGAL and D-API programmes

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 µV/e in CE-M approved version for legal for trade use.
- 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.

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)
- OIML R76
- Australian legal for trade certificate of approval (NMI S788)

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

I/O SECTION

- Bi-directional RS232/C port configurable for connection to printer/labeller.
- Bi-directional RS232/C port configurable for PC, PLC, additional remote display or radio modem. RJ connector for quick connection.
- RS485 bidirectional port (optional, on internal terminal board), configurable for PC, PLC, additional remote display or radio modem.
- ASCII protocol.

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- Detection of weight peaks
- 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 LANGUAGES FOR PRINTING
IT, EN, FR, DE, ES, PT, CN*, EL*

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

- MODBUS RTU/MODBUS ASCII protocol (connect to RS232/RS485 serial port).
- Opto-isolated analogue output, configurable to 4-20mA or 0-10Vdc (-10/+10VDC on request, only at time of order).

PROGRAMMABLE COMMUNICATION STRING

- The DFWLI PLUS indicator offers the possibility of completely customization of the data string output from the serial port, greatly simplifying the integration of the indicator in systems that communicate with pre-existing PC programmes.
- Customisation also concerns the weight reading command, in order to function correctly also in systems with on-demand string sending.
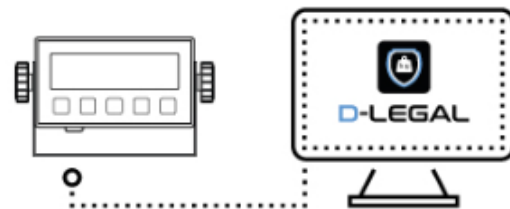
NEW: D-LEGAL AND D-API PROGRAMMES

- The new weighing software D-LEGAL is a **virtual alibi memory** that allows you to save approved weighs directly on a PC, with no memory limits.
  D-LEGAL is designed to simplify data exchange with external programmes through a complete API package.
  D-LEGAL can communicate with the Dini Argeo **DGT4X, DGT1SX, DGT1P, DGT1SP, DFWIECEX , DFWL PLUS and DFWLI PLUS** transmitters and indicators.

Main features:

- Approved and encrypted weighing database that is searchable and exportable in Excel format
- Potentially unlimited storage memory
- Available in an **internal use version (D-API)**

KEYBOARD FUNCTIONS

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