

# DFWX HYGIENX®: IP68 and 69K Multifunction Weight Indicator for Hygienic Environments

**HYGIENX®**  
Hygienic Weighing Solutions



## Standard Features

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- Electropolished AISI 316 stainless steel case
- IP68 and 69k degree of protection
- Screws, knobs, cable glands and gaskets specifically for high hygiene requirement environments and meat and fish processing industries
- Interactive LCD display, with RGB backlighting (7 selectable colors)
- Configurable light intensity
- 21-key numeric-functional keypad
- Tilting support bracket, with mounting holes
- Compact size: 170 x 200 x 70 mm
- Configurable power-saving features, to minimize power consumption
- Alibi Memory and Calendar Clock included as standard

- Fully customisable weight string
- Customisable weight reading command
- Modbus ASCII/RTU

## **MEASUREMENT AND METROLOGICAL CHARACTERISTICS**

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- Connectable to up to 16 load cells with 350 $\Omega$  output resistance.
- Single-range, multi-range or multi-interval approvable, Class III or IIII, up to 10,000e per range. Minimum signal 0.3 $\mu$ V/e.
- Calibration up to Max. 800,000 divisions, for internal factory use; Minimum signal 0.01 $\mu$ V/e.
- Internal resolution up to 3,000,000 points, ideal for high resolution applications and accurate part counting.
- Up to 8 points of signal linearization.
- Digital calibration and set-up from keyboard or PC with DINITOOLS.
- Functions for silo and tank calibration
- Weighing recording approved for data exchange with PC and Management, via Alibi Memory option or D-LEGAL PC software.

AISI 316 stainless steel weight indicator with IP68 and IP69K protection, ideal for environments with high hygiene standards, designed to simplify cleaning and sanitization. Compact and rugged, featuring an interactive RGB backlit display. Multiple connectivity options make it a versatile weight indicator suitable for advanced industrial applications.

# DFWX-HGX Technical Features

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## INPUT:

- Internal 230VAC\12VDC power supply
- 1m power cord and EU, UK, AUS, US plug depending on model (CH optional)
- Optional integrated rechargeable LiPo battery, 80 hours of battery life (20 hours with Wi-Fi), recharges in 6 hours

## AVAILABLE LANGUAGES IN PRINT

- IT, EN, FR, DE, ES, PT, PL, RO, EL\*
- \* For Chinese and Greek, printer/labeler programming is required (CODEPG, only when ordering)

## UPON REQUEST

- Printers/labels
- Classic or low energy Wireless Personal Area Network (WPAN)
- Analog output
- Digital inputs and outputs

## COMMUNICATION PORTS – INPUTS\OUTPUTS

For communication cable routing, 1 dedicated cable gland is available to communicate through one of the following ports:

- RS232 on screw terminals for connection to PC/printers Dini Argeo
- RS485 on screw terminals for connection to PC/PLC, with Modbus RTU or ASCII protocol
- USB-C for PC connection

Alternatively (optional):

- Ethernet TCP\IP (Includes Modbus-TCP protocol) (requires wiring of RJ45 connector on cable)
- WiFi
- RadioFrequency 2.4GHz (to be combined with carrier board)
- Wireless Personal Area Network (to be combined with carrier board code CBD)
- Analog output 4...20mA or 0...10V (to be combined with carrier board)
- Expansion board with 2 IN and 6 OUT digital

## NEW MULTIFUNCTIONAL PROGRAM:

DFWX's new weighing program revolutionizes the concept of multifunctionality, allowing multiple functions to be used simultaneously:

- Weight conversion to lb, N/kN or custom
- Piece counting during loading or unloading
- Weight control of loaded or unloaded pieces, with thresholds programmable via keyboard or communication protocol
- Totalization of weight-pieces
- Automatic tare function

The combination of multiple operating modes, coupled with programming flexibility, makes the DFWX the new benchmark for configurable weight indicators.

## METROLOGICAL CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)

# Parts

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Part #	Description
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## Versions with EU-type power plug (BSxxx)

<b>DFWX-HGX</b>	Multifunction weight indicator specifically designed for environments with high hygiene requirements, with 110/240VAC EU plug power supply. AISI 316 stainless steel case, IP68/IP69K protection. 25mm RGB display.
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<b>DFWXB-HGX</b>	Multifunction weight indicator specifically designed for environments with high hygiene requirements, with 110/240VAC EU plug power supply and integrated rechargeable battery. AISI 316 stainless steel casing, IP68/IP69K protection. 25mm RGB display.
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## DFWX | UK Versions

<b>DFWX-UK-HGX</b>	Multifunction weight indicator specifically designed for environments with high hygiene requirements, with 110/240VAC UK plug power supply. AISI 316 stainless steel case, IP68/IP69K protection. 25mm RGB display.
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<b>DFWXB-UK-HGX</b>	Multifunction weight indicator specifically designed for environments with high hygiene requirements, with 110/240VAC UK plug power supply and integrated rechargeable battery. AISI 316 stainless steel casing, IP68/IP69K protection. 25mm RGB display.
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# Options

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Part #	Description
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## Optional Power Supply Cords

PWCORDCH	Power supply cord with SEV1011 plug (CH plug).
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## Integrated wireless interfaces (only at time of order)

FO-CBD	Board for integrated installation of optional 2.4 GHz radio or Wireless Personal Area Network (WPAN).
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FO-WPANX-CL	Classic WPAN device, complete with antenna and IP68/IP69K mounting kit, assembly included. NOTE: in combination with Weicomp scales and DFWXS weight indicators, a carrier board (FO-CBD) is required.
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FO-WPANX-LE	Low-energy WPAN device, complete with antenna and IP68/IP69K mounting kit, assembly included. NOTE: in combination with Weicomp scales and DFWXS weight indicators, a carrier board (FO-CBD) is required.
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FO-ETH-HGX	Ethernet TCP/IP port - Modbus TCP, mounting included. This option does not include the cable gland for the Ethernet cable. *Hygienic cable gland supplied as standard with cable code ETH5MC-HGX.
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FO-WIFI	WiFi communication port with IP68/IP69K antenna, mounting included.
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FO-RF2G4	Internal 2.4 GHz radio module, assembly included. NOTE: in combination with Weicomp scales and DFWXS weight indicators, a carrier board (FO-CBD) is required.
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FO-ALMEM	Alibi Memory board, assembly included.
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## Alibi Memory for approved communication (only at time of order)

D-LEGAL	Legal for trade approved software for recording weighing results to a PC (virtual alibi function) with an integrated API library for interfacing with other software.
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## Columns, Supports Brackets, Visors

HGXCL-350	AISI 316 stainless steel column h=350 mm, for integrated installation with DFWX-HGX indicators. Easy-to-clean construction with a fifth support foot for greater stability and carrying handle. Note: The length of the cell cable is reduced to 1 metre.
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HGXCL-500	AISI 316 stainless steel column h= 500 mm, for integrated installation with DFWX-HGX indicators. Easy-to-clean construction with a fifth support foot for greater stability and carrying handle. Note: The length of the cell cable is reduced to 1 metre.
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## PC Connection Cable

ETH5MC-HGX	Ethernet cable, length = 5 m. Complete with hygienic cable gland, for connection between indicator and PC network.
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## PG Cable Glands

PG9-HGX	Single hygienic PG9 cable gland for DFWX-HGX
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## Approval for Sale to Third Parties

<b>Part #</b>	<b>Description</b>
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<b>KCEM</b>	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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