DFWK HYGIENX®: New Multifunctional Weight Indicator for Industrial Industries with High Hygiene Requirements

Standard Features

- Waterproof 17-key numeric-functional keypad
- Backlit 25 mm LCD display with 6 high-contrast digits, with icons for indicating active functions
- AISI 316 stainless steel enclosure
- IP68 and IP69K certification against water, dust and high-pressure hot water jets
- Dimensions: 280x143x185 mm
- 24 bit A/D converter, 4 channels max. 200 conv./sec. Autoselect and up to 8 signal linearization points
- Max 10,000e or multi-field 3 x 3000e @ 0.3 µV/e in CE-M approved version for legal for trade systems

- Max 1,000,000 displayable divisions for internal factory use with internal resolution up to 3,000,000 points
- Connection to max. 8 load cells with 350 Ohm input resistance or max. 16 cells with 700 Ohm input resistance
- Digital calibration and set-up from keyboard or PC with DINITOOLS
- Internal rechargeable battery with autonomy up to 60 hours
- 110-240 Vac power supply via 1.5 m cable with Shuko plug

Multifunctional Weight Indicator for Industrial Industries with High Hygiene Requirements

The DFWK HYGIENX Weight Indicator features a robust AISI 316 stainless steel casing and IP68 and IP69K protection ratings, which ensure fast and deep sanitization with high-temperature and high-pressure water jets. In the chemical, pharmaceutical and food industries, it is necessary to ensure thorough cleaning and exclude any risk of chemical, physical or bacterial contamination. Weight indicator with internal rechargeable battery. CE-M approved (OIML R-76 / EN 45501).

GMP-COMPLIANT PRODUCT

This product is a weighing instrument of high quality and precision, designed and manufactured for use in the food, chemical and pharmaceutical industries. It is manufactured according to **GMP (Good Manufacturing Practices) standards**, in stainless steel, with specific surface treatment and other construction features required in food, chemical and pharmaceutical environments.

DFWK HYGIENX Specifications

FUNCTIONS

- Operation modes selectable directly by the user, via dedicated key*:
- High-resolution display x 10
- Precision weighing with temporary recalibration by sample weight (for internal factory use)
- Net/Gross
- lb/kg conversion
- Free conversion factor (for meter-counting systems, liter counters etc.)
- Weights totalization
- Formulation
- +/- control, with rapid target and threshold entry
- Percentage weighing
- Percentage dosing with programmable target
- Piece counting
- Hold
- Two-speed filling/dosing with zeroing at start (with optional DFIO).
  The "alibi memory" and "setpoint" functions are available in combination with the desired mode of operation and are automatically activated when the corresponding optional board is installed; thus, for example, totalizing, saving each aliby memory weighing, and activating relay outputs are possible.

These quick menu access keys can be inhibited by configuring a dedicated password.

I/O SECTION

- Bi-directional RS232/C port configurable for connection to remote printer/labeler
- Bi-directional RS232/C (optional RS485) port configurable for PC, PLC, additional remote display or radio modem

MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)
- OIML R76
- Australian legal for trade certificate of approval (NMI S788)
- IP68 and IP69K protection rating

FUNCTIONS AVAILABLE FROM REMOTE CONTROL

- 6-key radio frequency remote control:
  zero; tare; enable/disable function; print; shutdown.

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Parts

Part #	Description

Available Versions

DFWK-HGX	17-key indicator specifically for environments with high hygiene requirements. AISI 316 stainless steel housing, IP68/IP69K rating, backlit LCD display and internal rechargeable battery.

Options

Part #	Description

Optional Power Supply Cords

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

Junction Box / Boards - Load Cell Cables

Part #	Description
DFW4CH	Internal board for a quick connection of more (equalised) channels.
JB4QIP69K	Stainless steel equalisation box for connection with up to 4 load cells. IP68/IP69K protection rating, with 4 + 1 fairleads. NOTE: The S6 service is required for installation on the ET/ETI platforms.

Approval for Sale to Third Parties

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

Storing Weighments

Part #	Description
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).

Printers / Labelers

Part #	Description
LP542TE	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.
RSCBLP10M	RS232 cable l=10m for LP542xx, SMTPLUS printers.

Communication Interfaces

Part #	Description
OBRF2G4	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.
OBRF2G4-USB	External 2.4 GHz radio frequency module, USB cable l=1m. Power supply directly from the USB port. Max. functioning distance, in appropriate environmental and installation conditions: 45 m indoors, 140 outdoors. 39 configurable channels.
ALMEM-1	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.

Part #	Description
ETHD	Built-in Ethernet interface. Speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols.
DFIO-1	Built-in 2 IN / 6 OUT interface (requires FW 05.05.00 or higher).
RF2G469K	Built-in 2.4 GHz radiofrequency module with IP69K protection rating. Maximum operating distance up to 60 m INDOOR, and up to 80 m OUTDOOR Max. Up to 38 configurable channels. (RF2G469K must be combined with another radio module).
WPAN-CL	Classic WPAN device, complete with AMP cable and integrated antenna.

Connection Cables

RSCBSHG	RS232 cable for 3590EGT connection.
ETHCBRJ	Ethernet cable, l=1,5m. Fitted with fairlead, for connection between indicator and PC network.
RSCBUSB3P	PC/RS232 USB converter cable, l=1,5m. USB connector to PC side, conductor-end sleeves on the scale side. PG9 cable gland included.

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).

Weight Repeater Software

MSTSLV	Program to use the indicator as a repeater. It must be combined with the DFW and DGT weight indicators.

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.
DGT60R-1	Weight repeater with 60 mm LED display. IP68 stainless steel case, 5-key keypad, air valve for regulating the humidity and the pressure, and configurable protocol.
GLR100I	RS485 alphanumeric repeater with 110mm multicolor LED display, stainless steel casing and IP68 protection rating.

Columns, Supports Brackets, Visors

STFI-1	AISI 304 stainless steel fixing bracket. For weight indicator wall mounting.
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.
PANEL-ST	Bracket for mounting the indicator on the panel.

Remote Control

TLR-1	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).

Part #	Description

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.
PG11M	10 PG11 metallic cable gland set for weight indicators.
PG13M	10 PG13 metallic 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

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 €.