DFW "ATEX2GD": WEIGHT INDICATOR FOR ATEX 1 & 21 ZONES

DFWATEX2GD: Weight indicator for hazardous areas

Weight indicator for areas classified as hazardous. Ideal for creating weighing systems, batching, and automation systems.
EC-Type-Examination certificate according to Annex III (94/9/EC directive).
CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- Waterproof 17-key numerical and functional keyboard.
- LCD display with 6 25-mm high contrast digits, clearly visible even in poor lighting conditions and with low temperatures, and with 6 LEDs for showing the active functions.
- Satined **IP68** stainless steel case.
- Dimensions 264x174x115mm.
- Suitable for use on the table, or wall.
- Up to 10.000e or multirange 3 x 3000e @ 0,3 μV/d in CE-M approved version for legal for trade use.
- Up to 100.000 displayable divisions with internal resolution up to 3.000.000 points.
- Up to **8 signal linearization points** with DINITOOLS (3 from keypad).
- A/D 24-bit sigma-delta conversion, up to 200 conv./sec. autoselect.
- Digital calibration and set-up from keyboard; Instrument management & configuration from PC with DINITOOLS.
- Power supply through external module: with DFWPBP76-ATEX optional battery pack; or with optional power adapter connectable to mains at 230 Vac or at 24 Vdc.
- Connection with up to 4 load cells having 350 Ohm input resistance.

FUNCTIONS

- **SCALE FUNCTIONS**
  -Zeroing
  - Automatic Tare
  - Presettable Tare
  - ID1 and ID2 10-digit Codes
  - Print and data transmission commands
  - selectable function command
  - on/off switching.
- **SELECTABLE FUNCTIONING MODES**
  - High Resolution Weighing x 10
  -Net/Gross or lb/kg conversion
  - Accumulation
  - Formula weighing
  - Counting (Max. resolution of 1.500.000 divisions).
  - **In/Out Truck weighing**
  - Hold
  - Peer-to-peer (up to 4 remote connectable indicators).
  - **Set Point Control** (with optional interface).

I/O SECTION (ONLY WITH THE DFWATEX2GDIO MODEL):

- Fiber optic bidirectional port for connection with printer, labeller, PC, or PLC in safe area.
- 4 logic inputs and 4 barriered digital outputs, connectable to other intrinsic safety devices in a hazardous area.

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- Rechargeable battery pack in safe area
- Power adapter connectable to mains at 230 Vac or at 24 Vdc with protection method according to ATEX II (2)/2 G [Ex ib]/Ex d IIC T4 Gb and ATEX II (2)/2 D [Ex ib]/Ex tb IIIC T140°C Db.
- Alibi memory

Available versions

Code	Description
DFWATEX2GD	Multifunction weight indicator for ATEX zones, with IP68 stainless stell case, 17-key keypad and LCD display. Protection mode: ATEX II 2G Ex ia IIC T4 Gb for gases and ATEX II 2D Ex tb IIIC T197°C Db IP65 for dust. Complete with manual and DECLARATION OF CONFORMITY. To be combined always with the PW200XRDxxx series' power adapter or DFWBP76ATEX battery. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN, DE, FR, and IT.
DFWATEX2GDIO	Multifunction weight indicator for ATEX zones, with IP68 stainless stell case, 17-key keypad, LCD display and I/O section. Protection mode: ATEX II 2G Ex ia IIC T4 Gb for gases and ATEX II 2D Ex tb IIIC T197°C Db IP65 for dust. Complete with manual and DECLARATION OF CONFORMITY. To be combined always with the PW200XRDxxx series' power adapter. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN, DE, FR, and IT.

Approval kit

Code	Description
KCEM	Kit of plates and Welmec form for the approval of the system for legal for trade use, for each provided platform/weighing system, connected to Dini Argeo indicator.

Declaration of ATEX conformity of whole

Code	Description
DCATEX2GD	Declaration of ATEX conformity of whole, Ex II 2GD IIC T4 T197°C X SYSTEM, with relative label of whole system, for Dini Argeo ATEX weight indicator connected a mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). ATEX CONFORMITY DECLARATIONS will be supplied in English.

ATEX battery and battery charger

Code	Description
DFWBP76ATEXC	Rechargeable ATEX battery from 9,6 Vdc and 7600 mAh for weight indicator, pallet truck scale, or crane scale. NOTE: Recharge of the battery pack allowed only in a safe area. In the applications with the weight indicator mounted on a column or cart, the installation requires the STFA12 bracket.
DFWBPAL	Battery charger for DFWBP76ATEX and DFWBP76ATEXB. Warning: to be used only in a safe area.

Intrinsically safe ATEX power supplier

Code	Description
PW200XRD24D	PW200XRD24D power supplier, for hazardous areas, 24 Vdc input, 10,5 Vdc intrinsically safe output, complete of Exd case, with protection modes: ATEX II (2)/2 G [Ex ib]/Ex d IIC T4 Gb and ATEX II (2)/2 D [Ex ib]/Ex tb IIIC T140°C Db. Complete with manual and declaration of conformity. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN and IT.
PW200XRD24A	PW200XRD24A power supplier, for hazardous areas, 24 Vac input, 10,5 Vdc intrinsically safe output, complete of Exd case, with protection modes: ATEX II (2)/2 G [Ex ib]/Ex d IIC T4 Gb and ATEX II (2)/2 D [Ex ib]/Ex tb IIIC T140°C Db. Complete with manual and DECLARATION of CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN and IT.
PW200XRD115	PW200XRD115 power supplier, for hazardous areas, 115 Vac input, 10,5 Vdc intrinsically safe output, complete of Exd case, with protection modes: ATEX II (2)/2 G [Ex ib]/Ex d IIC T4 Gb and ATEX II (2)/2 D [Ex ib]/Ex tb IIIC T140°C Db. Complete with manual and DECLARATION of CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN and IT.
PW200XRD230	PW200XRD230 power supplier, for hazardous areas, 230 Vac input, 10,5 Vdc intrinsically safe output,

complete of Exd case, with protection modes: ATEX II (2)/2 G [Ex ib]/Ex d IIC T4 Gb and ATEX II (2)/2 D [Ex ib]/Ex tb IIIC T140°C Db. Complete with manual and DECLARATION of CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN and IT.

Optical fibres and converter

Code	Description
CBFOPT	Optical fibre cable, 10 m minimum length. Price per metre
FB232	Optical fibre / RS232 converter for connection with printer. Maximum connection length of the optical fibre cable: 30m (greater lengths upon price estimate).
FBUSB	Optical fibre / USB converter for connection with PC. Maximum connection length of the optical fibre cable: 30m (greater lengths upon price estimate).
FBDIN100	Optical fibre / RS232 converter for DIN bar, for connection with PC, PLC. To use with **synthetic optical fibre**, the maximum length is 100m (greater lenghts upon price estimate).

Communication interfaces

Code	Description
ALMEMATEX	Alibi memory (fiscal memory, max 120.000 weighs) for approved transmission of the weight to PC/PLC (to be used with DFWATEX2GDIO).
DF485EX	RS485 bidirectional port for DFWATEX2GDIO or DFWATEX2GDF indicators.
PW200IO	Intrinsically safe input/output option, for the use of the INPUT/OUTPUT section on DFWATEX2GDIO or DFWATEX2GDF.

Saving of the weighs

Code	Description
SWM	WeiMonitor PC program for monitoring and recording in real time all the weighs executed on the connected scale.

Columns and brackets

Code	Description
CSP38I	Stainless steel support column for the indicators of the DINI ARGEO and SCALE HOUSE range. Dimensions 520 x 527 mm, 1026 mm high, tubular Ø = 38 mm.
CSP38D	Stainless steel support column with painted steel base, for the indicators of the DINI ARGEO and SCALE HOUSE range. Dimensions 350x350 mm, height 750 mm.
STFI	Stainless steel fixing bracket for mounting the weight indicator on wall.
STFA12	Stainless steel fixing bracket for mounting the ATEX battery on a column. Compatible with "DFWBP76ATEXC" and "BP6ESTATEX3GD".
STFR	Stainless steel fixing bracket for mounting the weight indicator on wall, with adjustable inclination.

Other accessories

Code	Description
TECSUP	Technical assistance by telephone or at our premises for instrument configuration and printout formatting. NET HOURLY PRICE.

DFWATEX2GD: Application example:

DFWATEX2GDIO: Application example: