

# 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  $\mu$ V/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.

## 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 II(2)/2 G [EEx ib]/EExd IIC T4 and II(2)/2 D [EEx ib]/tD A21 T140°C.
- Alibi memory

## 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).

## Available versions

| Code         | Description  |
|--------------|--|
| DFWATEX2GD   | Multifunction weight indicator for ATEX zones, with IP68 stainless steel case, 17-key keypad and LCD display. Protection mode: ATEX II 2G Ex ia IIC T4 for gases and ATEX II 2D Ex tD A21 IP65 T197°C for dust. Complete with manual and DECLARATION OF CONFORMITY. To be combined always with the PW200XRDxxx series' power adapter or DFWPBP76ATEX 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 steel case, 17-key keypad, LCD display and I/O section. Protection mode: ATEX II 2G Ex ia IIC T4 for gases and ATEX II 2D Ex tD A21 IP65 T197°C for dust. Complete with manual and DECLARATION OF CONFORMITY. To be combined always with the PW200XRDxxx series' power adapter and PW200IO option. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN, DE, FR, and IT. |

## Options only available at time of order

| 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.   |
| 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. |
| 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 and ATEX II (2)/2 D [Ex ib]/Ex tD  |

A21 T140°C. 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 and ATEX II (2)/2 D [Ex ib]/Ex tD A21 T140°C. 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 and ATEX II (2)/2 D [Ex ib]/Ex tD A21 T140°C. 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 and ATEX II (2)/2 D [Ex ib]/Ex tD A21 T140°C. Complete with manual and DECLARATION of CONFORMITY. The manuals and ATEX CE CONFORMITY DECLARATIONS are available in EN and IT. |
| DFWBP76ATEXB | 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 STFA bracket.   |
| DFWBPAL      | Battery charger for DFWBP76ATEX and DFWBP76ATEXB. Warning: to be used only in a safe area.   |
| PW200IO      | Intrinsically safe input/output option, for the use of the INPUT/OUTPUT section on DFWATEX2GDIO or DFWATEX2GDF.  |
| CBFOPT       | Fibre optic cable up to 60 m. Price per metre  |
| CNFOPT       | Set of connectors for fiber optic cable for connection of the indicator to the fiber optic/RS232 converter.  |
| DF485EX      | RS485 bidirectional port for DFWATEX2GDIO or DFWATEX2GDF indicators.   |
| ALMEMATEX    | Alibi memory (fiscal memory, max 120.000 weighs) for approved transmission of the weight to PC/PLC (to be used with DFWATEX2GDIO).   |
| TECSUP       | Technical assistance by telephone or at our premises for instrument configuration and printout formatting. NET HOURLY PRICE.   |

### Accessories

| 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.   |
| STFA   | Stainless steel fixing bracket for mounting DFWBP76ATEX on a column.  |
| OPT232 | Fibre optic / RS232 converter for connection with printer, PC or PLC.   |

DFWATEX2GD: Application example:



DFWATEX2GDIO: Application example:

