

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 260x140x175 mm.
- Suitable for use on the table, or wall.
- Up to 10.000e or multirange 3 x 3000e @ 0,3 μ V/d for CE-M approved 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
 - Presetable 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 with protection method according to ATEX II2G, EEx ia IIC T4
- 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

Available versions

Code	Description
DFWATEX2GD	Weight indicator for ATEX zone, with protection method according to II 2G, EEx ia IIC T4 for gas and II 2D Ex tD A21 IP65 T197°C for dust. To be combined always with the PW200XRDxxx series' power adapter or DFWPBP76ATEX battery.
DFWATEX2GDIO	Weight indicator for ATEX zone, with protection method according to II 2G, EEx ia IIC T4 for gas and II 2D Ex tD A21 IP65 T197°C for dust, with I/O section. To be combined always with the PW200XRDxxx and PW200IO series' power adapter.

Options only available at time of order

Code	Description
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use
DCATEX2GD	DECLARATION OF ATEX CONFORMITY OF THE WHOLE Ex II 2GD IIC T4 T197°C SYSTEM, with relative LABEL OF THE WHOLE SYSTEM, for ATEX Ex II 2GD Dini Argeo weight indicator connected to the Dini Argeo mechanical structure with ATEX load cells of the Dini Argeo range (each load cell should have the CCATEX certification).
PW200XRD24D	Power supplier for hazardous zones (zones 1 and 21) with II(2)/2 G [EEx ib]/EExd IIC T4 and II(2)/2 D [EEx ib]/tD A21 T140°C protection modes, intrinsically safe 24 Vdc input, 10,5Vdc output , fitted with Exd case.
PW200XRD24A	Power supplier for hazardous zones (zones 1 and 21) with II(2)/2 G [EEx ib]/EExd IIC T4 and II(2)/2 D [EEx ib]/tD A21 T140°C protection modes, intrinsically safe 24Vac input, 10,5Vdc output , fitted with Exd case.
PW200XRD115	Power supplier for hazardous zones (zones 1 and 21) with II(2)/2 G [EEx ib]/EExd IIC T4 and II(2)/2 D [EEx ib]/tD A21 T140°C protection modes, intrinsically safe 115Vac input, 10,5Vdc output , fitted with Exd case.
PW200XRD230	Power supplier for hazardous zones (zones 1 and 21) with II(2)/2 G [EEx ib]/EExd IIC T4 and II(2)/2 D [EEx ib]/tD A21 T140°C protection modes, intrinsically safe 230Vac input, 10,5Vdc output , fitted with Exd case.
DFWBP76ATEX	Rechargeable ATEX battery pack, for weight indicator, pallet truck scale, or crane scale. NOTE: in the applications with the weight indicator mounted on a column or cart, the installation requires the STFA bracket.
DFWBPAL	Battery charger (DFWBP76ATEX) Warning: to be used only in a safe area
PW200IO	Intrinsically safe input/output option
CBFOPT	Fibre optic cable up to 30 m (price per metre)
CNFOPT	Set of connectors for connection of fiber optic cable to the indicator
DF485EX	RS485 bidirectional port (available only with DFWATEXIO version and combined with PW200XRD power supplier series')
ALMEMATEX	Alibi memory (fiscal memory) max. 120.000 weighs (to be used with DFWATEXIO)

Accessories

Code	Description
CSP42I	STAINLESS steel support column for the DFW, 3590, TRS series' indicators. Easy to install and to clean. Adjustable feet, guaranteeing the maximum stability.
STFI	Stainless steel bracket for fixing to wall.
STFA	Stainless steel bracket for mounting DFWBP76ATEX on a column
OPT232	Data interface from fibre optics to RS232 for connection with printer, PC or PLC

DFWATEX2GD: Application example:



DFWATEX2GDIO: Application example:

