

"DFWATEX2GDF": INDICATOR FOR DOSAGE IN ATEX 1 & 21 ZONES



DFWATEX2GDF: Weight indicator for dosage in hazardous areas

Weight indicator for areas classified as hazardous, ideal for creating automatic or semiautomatic dosage systems in loading or in unloading. By simply programming the parameters, it is possible to manage single product dosage systems in loading or in unloading, or multiproduct dosages and mixtures. 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 icons for showing the active functions.
- Satined **IP68** stainless steel case.
- Dimensions: 264x174x115mm.
- May be angled either to be set on a table or a 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 100 conv./sec. autoselect.
- Digital calibration and set-up from keyboard; Instrument management & configuration from PC with DINITOOLS.
- Power supply through external power adapter PW200XRD, with PW200IO option.
- Connection with up to 4 load cells having 350 Ohm input resistance.
- Memory back-up for saving dosage data in case it's accidentally turned off.

DOSAGE CONFIGURATION

Available dosage functions:

	<p>Single product dosage in loading functioning</p>
	<p>Single product dosage in unloading functioning</p>
	<p>Multi-product dosage functioning</p>

I/O SECTION

- Fiber optic bidirectional port for connection with printer, labeller, PC, or PLC in safe area.
- 4 inputs for start/stop dosage and formula selection.
- 4 barriered logic digital outputs, with programmable function, for dosage system management, connectable to other intrinsic safety devices in a hazardous area.

OPTIONS AND ACCESSORIES

- Fiber optics (60m)
- RS485 interface
- Printer in safe area

Available versions

Code	Description
DFWATEX2GDF	Indicator for single product and multi-product dosage in ATEX zones, 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 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.
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')

Accessories

Code	Description
OPT232	Data interface from fibre optics to RS232 for connection with printer, PC or PLC
STFI	Stainless steel bracket for fixing to wall.
STFA	Stainless steel bracket for mounting DFWBP76ATEX on a column