

"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.
- A/D 24-bit sigma-delta conversion with 4 channels, up to 200 conv./sec. autoselect.
- Management of a weighing system from 1 to 4 channels (cells) with digital equalization.
- Connectable with up to 4 analogue load cells with 350 Ohm input resistance.
- Up to displayable 1.000.000d with internal resolution up to 3.000.000 points.
- Up to 10.000e or multirange 2 x 3000e @ 0,3 µV/d in CE-M approved version for legal for trade use.
- Calibration, Set-Up parameters, configurable from keyboard or PC with Dinitools.
- Up to 8 signal linearization points with DINITOOLS (3 from keypad).
- Memory back-up for saving dosage data in case it's accidentally turned off.
- Printing the dosage and consumption data, en sure zone through fiber optic.
- Power supply through external power adapter PW200XRD, with PW200IO option.

DOSAGE CONFIGURATION

- Available dosage functions:

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

I/O SECTION

- Fiber optic bidirectional port for connection with printer, labeller, PC, or PLC in safe area.
- 4 barriered logic digital outputs, with programmable function, for dosage system management, connectable to other intrinsic safety devices in a hazardous area.
- 4 inputs with functions depends on the selected dosage function.

OPTIONS AND ACCESSORIES

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

Available versions

Code	Description
DFWATEX2GDF	Weight indicator for ATEX zones for single product and multiproduct dosage, 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

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

Accessories

Code	Description
OPT232	Fibre optic / RS232 converter for connection with printer, PC or PLC.
STFI	Stainless steel fixing bracket for mounting the weight indicator on wall.
STFA	Stainless steel fixing bracket for mounting DFWBP76ATEX on a column.
TECMAN	Printed technical manual (free, if downloaded from the web). NET PRICE.
UMAN	Printed user manual (free, if downloaded from the web and available in the CD, fitted with the product). NET PRICE.