

DFW-IECEX3GD

"DFW-IECEX3GD": IECEx WEIGHT INDICATOR FOR Ex 2 & 22 ZONES



Weight indicator for Ex areas classified as hazardous. ATEX/IECEx marking:

II 3G Ex nR IIC T6 Gc X ($0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$) for gas
II 3D Ex tc IIIC T85°C Dc IP65 X ($0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$) for dust.

ATEX/IECEx marking with intrinsically safe connection for load cells:

II 3G Ex nR [ia] IIC T6 Gc X ($0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$) for gas

II 3D Ex tc [ia] IIIC T85°C Dc IP65 X ($0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$) for dust.

Suitable to realize weighing, dosing and automation systems. CE-M approvable (OIML R-76 / EN 45501).

**The best solution
for advanced industrial
applications**

NEWS

- IECEx certification.
- New enclosure with screwless front closure for easy cleaning of the indicator.
- PG7 and PG9 cable glands with adapters for 4 to 7 mm and 7 to 10 mm cable routing. Equipped with anti-friction system that does not require additional external cable fixing, as required by the IECEx scheme and ATEX directives.
- Available in specific version for direct connection to load cells installed in zone 1/21 and 0/20.

TECHNICAL FEATURES

- 17-key high thickness waterproof keyboard.
- LCD display with backlight as standard with 6 25 mm digits.
- Satin IP68 stainless steel enclosure.
- Suitable for use on the table.
- Dimensions: 280x143x185mm.
- Up to 10.000e or 3 x 3000e @ 0,3 μ V/d OIML approved version and CE-M legal for trade.
- Up to 1.000.000 displayable divisions for internal factory use.
- Up to 8 signal linearisation points with DINITOOLS (3 from the keyboard).
- Internal resolution up to 3.000.000 points.
- 24-bit sigma-delta A/D converter, up to 200 conv./sec. with automatic frequency selection.
- Board protection case inside the box.
- Calibration and digital Set-Up from the keyboard.
- Instrument management and configuration from PC with DINITOOLS.
- 4 channels (for single weighing system).
- Power supply from 110-240Vac line or 12-24 Vdc Max. 25.2W (optional power cable).
- Connection with up to 8 load cells of 350 Ohm.

I/O SECTION

- RS232/C bi-directional port configurable for connection to printer/labeller in safe zone.
- RS232/C bi-directional port configurable for PC, PLC, additional remote display, in safe zone.

FUNCTIONS:

- **KEYBOARD:**

Zeroing, Automatic tare, Presetable tare, printing and/or data transmission, selectable function command, on/off switching, database of 20 tares, 2 Numeric IDs, keyboard lock, repetition of last printout made.

- **SELECTABLE FUNCTIONS:**

- High Resolution Weighing x 10.
- Net/Gross or lb/kg conversion.
- Accumulation.
- Formula weighing.
- +/- Checkweighing.
- Percentage weighing.
- Approved transmission of the weight to PC/PLC (with ALMEM Alibi memory option).
- Counting.
- In/Out Truck weighing.
- Hold.
- Set Point Control (with DFIO option).

AVAILABLE LANGUAGES FOR PRINTING

- IT, EN, FR, DE, ES, PT, CN*, EL*

* For Chinese and Greek a programming of the printer/labeler is required (S1, only at the time of order)

MASTER/REPEATER OPTION

- Specific programme (MSTSLV code) to use the indicator as a universal weight repeater or as a multi-scale repeater (MASTER) in combination with DFW/DGT/MCW.

FUNCTIONING MODES:

- **Multi-scale repeater (MASTER):**
function which allows the user to repeat up to 32 independent scales, with the possibility of managing their functions, or displaying and printing the sum of the weights of all the scales.
- **UNIVERSAL weight repeater:**
function which allows the user to repeat the weight of any scales, through the configuration of the input string.

For additional information, [Click here](#).

MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)
- OIML R76
- EN/IEC 60079-0
- EN/IEC 60079-11 (ZB version)
- EN/IEC 60079-15
- EN/IEC 60079-31
- Australian legal for trade certificate of approval (NMI S788)
- Certification according to ATEX directive 2014/34/EU and in compliance with IECEx scheme, group II category 3GD according to EN/IEC 60079-0, EN/IEC 60079-11, EN/IEC 60079-15, EN/IEC 60079-31.

 		<h1 style="text-align: center;">IECx Certificate of Conformity</h1>	
<h2 style="text-align: center;">INTERNATIONAL ELECTROTECHNICAL COMMISSION</h2> <h3 style="text-align: center;">IEC Certification System for Explosive Atmospheres</h3> <p style="text-align: center;">Rules and standards of the IECEx (Scheme of Conformity)</p>			
Certificate No.	IECx No. / Division	Page 1 of 2	Certificate Status
Contract	Contract	Issue No.	
Date of issue	2024-11-18		
Applicant	One August S.p.A. Viale Milano, 20 42042 Caprioglio di Piossasco (MI) - Italy		
Equipment	Explosion-protecting enclosure		
Equipment description	Models: IMQEXE00000, IMQEXE000000, IMQEXE000000, IMQEXE000000, IMQEXE000000		
Type of Protection	Ex-nc and Ex-nc I, Ex-nc II, Ex-nc III		
Testing	Ex-nc I: T85°C, Du = Ex-nc I, Ex-nc II: T85°C, Du = Ex-nc II, Ex-nc III: T85°C, Du = Ex-nc III		
Approved for use on behalf of the IECEx		Mr. Norbert GOSWAMI	
Signature		IMQ i-ECX Manager	
Expiry date (validity)			
<p>NOTE: This certificate and schematic may only be reproduced in full. Any reproduction of this certificate without the written consent of IMQ is strictly prohibited.</p> <p>For more information on the use of this IECEx Certificate, please refer to the IECEx Rules and Standards of Conformity.</p>			
Confidentiality Validity Signature of the Manager of the Applicant Signature of the Manager of IMQ			

[View the certificate](#)

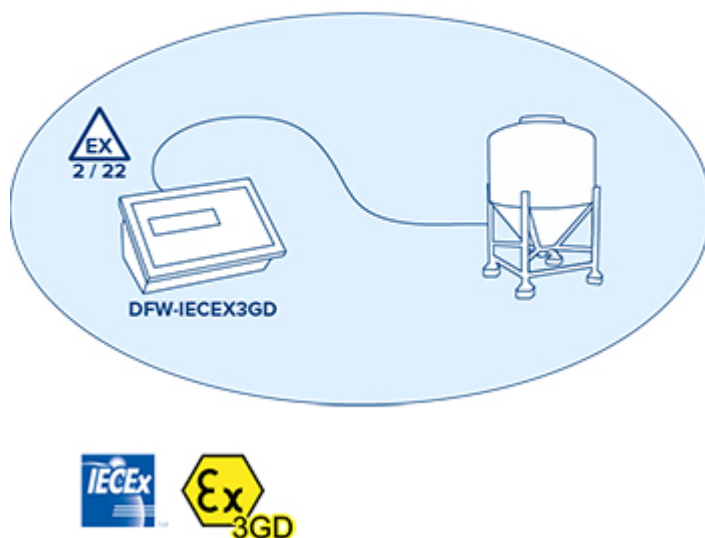
AVAILABLE UPON PRICE ESTIMATE

- Power supply 24 Vdc.
- PG13,5 anti-friction cable glands with adapters for the passage of cables from 5,5 to 8 mm and from 10,5 to 13 mm.

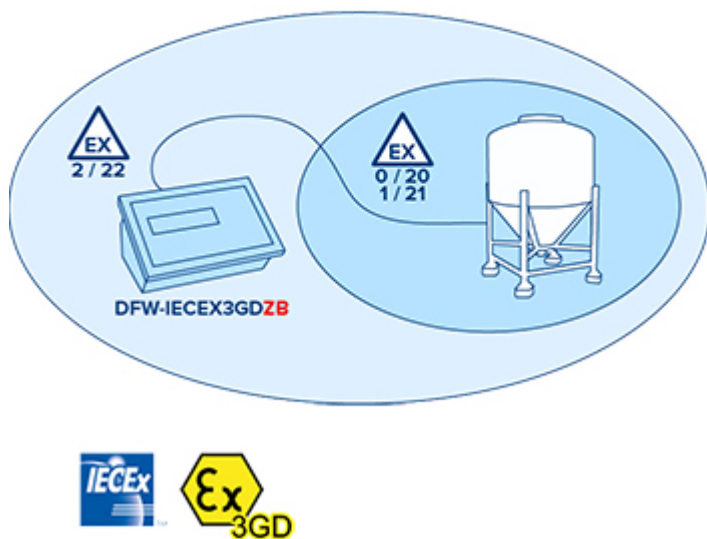
DETAIL 1



DETAIL 2



DETAIL 3



“YOUR WORLDWIDE PARTNER FOR WEIGHING”

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FRANCE sarl
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GMBH
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UK Ltd
United Kingdom

DINI ARGEO WEIGHING
INSTRUMENTS Ltd
China

DINI ARGEO
OCEANIA
Australia



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SALES AND TECHNICAL ASSISTANCE SERVICE