



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx IMQ 19.0010X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-10-16

Applicant: **Dini Argeo S.r.l**
Via della Fisica , 20 41042 Spezzano di Fiorano Mod.se (MO) - Italy
Italy

Equipment: **Electronic weighing indicator**

Optional accessory: Models: 3590EGT-IECEX3GD; 3590EGT-IECEX3GDZB; DFW-IECEX3GD; DFW-IECEX3GDZB

Type of Protection: **Restricted breathing Ex nR; Dust tight Ex tc**

Marking: Ex nR IIC T6 Gc or Ex nR [ia] IIC T6 Gc
Ex tc IIIC T85°C Dc or Ex tc [ia] IIIC T85°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Mr. Mauro CASARI

Position:

IMQ ExCB Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Istituto Italiano del Marchio di Qualità S.p.A
Via Quintiliano 43
20138 Milano
Italy





IECEx Certificate of Conformity

Certificate No.: **IECEx IMQ 19.0010X**

Page 2 of 3

Date of issue: 2019-10-16

Issue No: 0

Manufacturer: **Dini Argeo S.r.l**
Via della Fisica , 20 41042 Spezzano di Fiorano Mod.se (MO) - Italy
Italy

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-15:2017 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[IT/IMQ/ExTR19.0014/00](#)

Quality Assessment Report:

[IT/IMQ/QAR18.0001/01](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx IMQ 19.0010X**

Page 3 of 3

Date of issue: 2019-10-16

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

3590EGT-IECEX3GD and **DFW-IECEX3GD** are electronic weight indicators with this main characteristics:

- 5,7" touchscreen display (3590EGT-IECEX3GD) or LCD display with backlight (DFW-IECEX3GD).
- Alphanumeric keyboard.
- External enclosure that protect the instrument from dust and gas according to type of protection Ex nR and Ex tc (IEC 60079-15 and IEC 60079-31).
- Degree of protection: IP65
- Equipped with cable glands or caps for cable entry.
- Outputs for connections with load cells (only for 3590EGT-IECEX3GDZB and DFW-IECEX3GDZB this outputs has type of protection "Ex ia" according to IEC 60079-11:2011).
- Two RS232 and one RS232 or RS485 port only for 3590EGT-IECEX3GDxx.
- One RS232 and one RS232 or RS485 only for DFW-IECEX3GDxx.
- All parts of the instrument are electrically connected and on the enclosure there is a plug for connections to earth.

The equipment are identified according to the following model reference: 3590EGT-IECEX3GDxx and DFW-IECEX3GDxx
Where:

xx= "ZB" only for models 3590EGT-IECEX3GDZB and DFW-IECEX3GDZB that mount a Dini Argeo zener barrier ZBA1S.

xx= no letters, for other model that don't mount the Dini Argeo zener barrier ZBA1S.

The equipment enclosure is provided with holes for cable glands and/or caps and a drain valve. The cable glands, caps and drain valve, with separate IECEx certificate, are mounted according to related manufacturer's installation instructions.

Dini Argeo weight indicators can be equipped with the components and equipment IECEx certified as detailed in ExTR and documentation listed to Certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

To avoid the accumulation of electrostatic charges on the outer surfaces of the device, clean it regularly with wet clothes and allow to dry naturally.

Do not connect or disconnect the connectors when energized. Furthermore, these connections are not intended to be connected or disconnected when an explosive atmosphere is present.