



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx FMG 15.0006X Issue No: 0 Certificate history:
Issue No. 0 (2015-09-01)

Status: **Current** Page 1 of 3

Date of Issue: **2015-09-01**

Applicant: **A&D Company, Limited**
1-243, Asahi,
Kitamoto-shi, Saitama 364-8585, Japan
Japan

Electrical Apparatus: **EK-EP Electronic Weighing Balances**
Optional accessory:

Type of Protection: **Intrinsic safety "ia"**

Marking: II 1G Ex ia IIB T3

Approved for issue on behalf of the IECEx
Certification Body:

J.E.Marquedant

Position:

Manager, Electrical Systems

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America





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Manufacturer: **A&D Company, Limited**
1-243, Asahi,
Kitamoto-shi, Saitama 364-8585, Japan
Japan

Additional Manufacturing
location(s):

A&D SCALES CO.,LTD
191, Inseok-ro, Deoksan-myeon,
Jincheon-gun, Chungcheongbuk-do
365-842, Korea
Korea, Republic of

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical 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:

[US/FMG/ExTR15.0008/00](#)

Quality Assessment Report:

[GB/FME/QAR15.0007/00](#) [GB/FME/QAR15.0008/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

EK-EP Electronic Weighing Balances

Models:

EK300EP, EK300EP-K, EK3000EP, EK12KEP, EK3000EP-K, EK12KEP-K

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The Electronic Weighing Balances shall only be used with four Energizer AA E91 alkaline LR6 AM3, or Duracell AA alkaline MN1500 LR6, or Panasonic AA alkaline LR6(XJ) 1.5V batteries.
2. The apparatus enclosure contains accessible metal parts and could be susceptible to electrostatic charges that could be a source of ignition. The user must consider a 170pF of capacitance when considering suitability for use. Refer to IEC TS60079.32-1 for guidance.
3. Part of the enclosure is constructed of plastic. To prevent the risk of electrostatic sparking the non-metallic surface should only be cleaned with a damp cloth.