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 17.0033X

Issue No: 0

Certificate history:
Issue No. 0 (2018-02-16)

Status: **Current**

Date of Issue: **2018-02-16**

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

Equipment: **EK-AEP Series, Compact Balance**
Optional accessory:

Type of Protection: **Intrinsic safety (Ex ia op is)**

Marking:
Ex ia op is IIB T3 Ga; -25°C ≤ Ta ≤ +40°C.

Approved for issue on behalf of the IECEx Certification Body: J. E. Marquedant

Position: VP, 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.

Certificate issued by:

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

FM Approvals
Member of the FM Global Group

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

Additional Manufacturing location(s):

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 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*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/ExTR17.0032/00

Quality Assessment Report:

GB/FME/QAR15.0007/01 GB/FME/QAR15.0008/01

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

EK-aAEP. Compact Scale
Ex ia op is IIB T3 Ga; -25°C ≤ Ta ≤ +40°C
a = Maximum capacity: 300 = 300 g;
3000 = 3000 g;
12K = 12 kg.

SPECIFIC CONDITIONS OF USE: YES as shown below:

A portion of the enclosure is non-conducting and, under certain extreme conditions, may generate an ignition-capable level of electrostatic charges. The user shall ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.