



# 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](http://www.iecex.com)

Certificate No.: IECEx FMG 17.0018X Issue No: 2 Certificate history:  
Status: **Current** Issue No. 2 (2018-08-10)  
Date of Issue: **2018-08-10** Page 1 of 4 Issue No. 1 (2018-02-23)  
Applicant: **A&D Company, Limited** Issue No. 0 (2018-01-12)  
1-243, Asahi, Kitamoto-shi, Saitama  
**Japan**  
Equipment: **HV-CEP Series, HW-CEP Series Platform Scale**  
*Optional accessory:*  
Type of Protection: **Intrinsic safety (Ex ia)**  
Marking: Ex ia IIB T4 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



*Member of the FM Global Group*



# IECEX Certificate of Conformity

Certificate No: IECEX FMG 17.0018X Issue No: 2  
Date of Issue: 2018-08-10 Page 2 of 4  
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** 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/ExTR17.0016/00 US/FMG/ExTR17.0016/01 US/FMG/ExTR17.0016/02

### Quality Assessment Report:

GB/FME/QAR15.0007/02 GB/FME/QAR15.0008/02



# IECEX Certificate of Conformity

Certificate No: IECEx FMG 17.0018X

Issue No: 2

Date of Issue: 2018-08-10

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### **HV-aKCEP Series. Platform Scale.**

Ex ia IIB T4 Ga;  $-25^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$

a = Maximum capacity: 15 = 15 kg;

60 = 60 kg;

200 = 220 kg.

#### **HW-aKCEP Series. Platform Scale.**

Ex ia IIB T4 Ga;  $-25^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$

a = Maximum capacity: 10 = 10 kg;

60 = 60 kg;

100 = 100 kg

200 = 220 kg.

The optical radiation output of the apparatus with respect to explosion protection is covered in this certificate based on Exception 1 to the scope of IEC 60079-28:2015.

### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. 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.
2. The enclosure contains aluminum and is considered a potential risk of ignition by impact or friction. Care must be taken during installation to prevent impact or friction.



# IECEX Certificate of Conformity

Certificate No: IECEX FMG 17.0018X

Issue No: 2

Date of Issue: 2018-08-10

Page 4 of 4

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Minor drawing change