



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

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Issue No: 1 [Issue 0 \(2019-10-29\)](#)

Status: **Current**

Date of Issue: 2024-08-26

Applicant: **AMETEK Process Instruments**  
455 Corporate Blvd  
Newark, DE 19702  
**United States of America**

Equipment: **Model 3050 Moisture Analyzer**

Optional accessory:

Type of Protection: **Ex db, Ex eb**

Marking: Ex db eb IIB+H2 T\* Gb

- \* T5 Tamb = -20°C to +50°C
- \* T6 Tamb = -20°C to +40°C
- \* T6 Tamb = -20°C to +60°C (EJB07 Flameproof Enclosure Configuration only)

Approved for issue on behalf of the IECEx  
Certification Body:

**Bjørn Spongsveen**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DNV Product Assurance AS**  
Veritasveien 1  
1363 Høvik  
Norway





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Manufacturer: **AMETEK Process Instruments**  
455 Corporate Blvd  
Newark, DE 19702  
**United States of America**

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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 Reports:

[NO/PRE/ExTR18.0090/00](#)

[NO/PRE/ExTR18.0090/01](#)

Quality Assessment Report:

[NO/PRE/QAR15.0035/04](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The 3050 Moisture Analyzer measures trace concentrations of moisture in a process gas stream. The analyzer has been configured for operation on natural gas; however, the instrument can run on other gases.

Two versions are provided –

A threaded aluminium flameproof enclosure (AMETEK)

A flanged aluminium flameproof enclosure (OFFICINE MECCANICHE M.A.M EJB). This enclosure includes two different configurations EJB07 (includes window and keypad) and EJB08 (no window).

Both models use a metal Ex e certified terminal box for field wiring connections (**BARTEC or ROSE BOPLA**).

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

1. Process temperature shall not exceed 60°C.
2. In normal operation, process gas is to be outside the flammable range.
3. HSK series cable glands were tested at a reduced tensile force (25%) and low (4 joule) impact as allowed by EN/IEC 60079-0. The installer shall ensure adequate clamping of the cable and protection from higher impact energy levels.
4. Flanged version: The flameproof joints of the flanged enclosure have different dimensions from those specified in the tables of IEC 60079-1. Contact the manufacturer for any repair.
5. Before interacting with the control keypads, operators must discharge any static electricity by touching a grounded metal object.  
Regular Cleaning Requirement: The control keypads must be cleaned regularly to prevent dust accumulation. Use a damp cloth for cleaning to minimize the risk of electrostatic discharge.



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## Equipment (continued):

### Type designation

Model 3050 OLV, SLR, DO, TE

### Electrical Data

230 VAC 50/60 Hz 150W, 24VDC 50W

### Pressure ratings

Sample system 50psi max

Air inlet port 100psi max

### Degrees of protection (IP Code)

IP65



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

This addition includes an alternate construction, which includes the following:

- OFFICINE MECCANICHE M.A.M EJB-07 flameproof enclosure IECEx INE 14.0036U.
- Additional increased safety terminals mounted in the BARTEC 07-5180-2601/6090 IECEx PTB 11.0032U or ROSE BOPLA 25162609 IECEx PTB 08.0006.