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# EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **Presafe 18 ATEX 13486X** **Issue 2**

[4] Product: **Model 3050 Moisture Analyzer**

[5] Manufacturer: **AMETEK Process Instruments**

[6] Address: **150 Freeport Rd.  
Pittsburgh, PA 15238  
USA**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018, EN 60079-1:2014 and EN IEC 60079-7:2015+A1:2018**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **II 2 G Ex db eb IIB+H2 T\* Gb**

**\*T5 (-20°C ≤ Tamb ≤ +50°C)**

**\*T6 (-20°C ≤ Tamb ≤ +40°C)**

**\*T6 (-20°C ≤ Tamb ≤ +60°C) (EJB07 Flameproof Enclosure Configuration Only)**



Date of issue:  
2025-09-30



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For DNV Product Assurance AS  
The Certificate has been digitally signed.

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** Presafe 18 ATEX 13486X Issue 2

[15] **Description of Product**

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. Product is configured in the following available models:

3050 Model	Range	Use
3050-OLV	0.1-2500 PPM	Monitoring moisture in natural gas, feed gas, and industrial gas
3050-SLR	0.1-100 PPM	Variety of trace moisture applications
3050-DO	0.02-100 PPM	Monitor moisture exiting mole sieve dryer systems
3050-TE	0.01-100 PPM	Monitoring moisture at the inlet/outlet to the turbo expander in a cryo-recovery plant

Two versions are provided –

- A threaded aluminium flameproof enclosure (AMETEK)
- A flanged aluminium flameproof enclosure (EJB).

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

**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

**Routine Tests:**

- 1) Each unit shall be subjected to routine dielectric testing in accordance with IEC 60079-7.
- 2) Threaded Version: Each unit shall be subjected to a routine hydrostatic test of 1.5x 189.640psi (13.08bar) = 284.46psi (19.62bar) in accordance with IEC 60079-1.

[16] **Report No.:** 2024-3115, Issue 1  
**Project No.:** PRJC-584166-2018-PRC-USA

**[17] Specific Condition(s) of Use**

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.
6. 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.

**[18] Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

**[19] Drawings and documents**

Number	Title	Rev.	Date
305483000	Model 3050 OLV, SLR, DO, TE Overall Assembly	H	2025-09-16
10764-13-5	EH&S 3050 Moisture Analyzer Series ATEX/IECEx Zone 1 and Class I, Division 1	C	-

**[20] Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2019-10-29	2019-9316, Issue 0
1	Alternate Construction to include EJB07 Enclosure Update	2024-08-26	2024-3115, Issue 00
2	Update manufacturer address	2025-09-30	2024-3115, Issue 01

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

END OF CERTIFICATE