



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

Certificate No.: **IECEX PRE 18.0034X** Page 1 of 5 [Certificate history:](#)
Issue 0 (2019-05-16)

Status: **Current** Issue No: 1

Date of Issue: 2026-05-04

Applicant: **AMETEK Canada LP**
2876 Sunridge Way N.E.
Calgary, Alberta T1Y 7H9
Canada

Equipment: **Model 888L Tail Gas Analyzer**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety, Intrinsic Safety, and Pressurized Enclosure**

Marking: Ex db eb [ib] pxb IIC T3 Gb
-20°C ≤ Ta ≤ +60°C

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

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 or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **AMETEK Canada LP**
2876 Sunridge Way N.E.
Calgary, Alberta T1Y 7H9
Canada

Manufacturing locations: **AMETEK Canada LP**
2876 Sunridge Way N.E.
Calgary, Alberta T1Y 7H9
Canada

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 60079-2:2014](#) Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"
Edition:6

[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/ExTR18.0031/00](#)

[NO/PRE/ExTR18.0031/01](#)

Quality Assessment Report:

[NO/DNV/QAR25.0011/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Model 888L Tail Gas Analyzer uses photometric analysis to continuously monitor Hydrogen Sulfide (H₂S) and Sulfur Dioxide (SO₂) present in the tail gas stream of a Claus plant. It consists of an Analyzer Panel and Probe Enclosure, and provides four 4-20mA analog outputs into a maximum 1000Ω load. The connecting Sample Bundle is supplied and installed by the user, and must comply with all certification requirements for the hazardous area, and be installed in accordance with EN/IEC 60079-14. The Sample Bundle has a maximum length of 20m.

The Analyzer Panel consists of an Electronics Enclosure, a temperature controlled Cell Enclosure, and a Customer Disconnect Enclosure. These enclosures are mounted onto a rigid stainless steel panel for support. The Customer Disconnect Enclosure is a component certified flameproof enclosure, with the electrical components shown in the certification drawing installed by AMETEK. The Cell Enclosure consists of an Ex certified heater plate assembly, a non-electrical sample system, and an Ex e stainless steel sheathed RTD that enters from the Electronics Enclosure.

The Probe Enclosure consists of a non-electrical sample system, an Ex certified heater plate assembly, an additional stainless steel sheathed RTD, and an Ex e junction box for connections to power and signal lines from the Electronics Enclosure. The junction box is component certified, with component certified terminals installed by AMETEK. The additional RTD circuit is considered Ex eb and is subject to a routine dielectric test.

Items outside of the pressurized and flameproof enclosures include the Ex d heater plates and two Ex e RTDs (one in the cell enclosure and one in the probe enclosure). The heater plates are separately certified, while the RTDs are evaluated as Ex e as part of this report. Connections between the probe and disconnect enclosures are made via Ex e enclosure.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Heated sample line and associated power termination kits provided by customer must be installed in accordance with the manufacturer's instructions, any X-Conditions, and carry minimum Ex IIC T3 Gb rating.
2. The purge control keypad and display is a potential electrostatic discharge hazard. Use only a damp cloth to clean. The installer must ensure that the installation minimizes the risk from electrostatic discharge.
3. The installer must install a second pressure regulator on the input of the unit to mitigate any risk from a single regulator failure in the system.
4. The analyzer must be shaded from direct sunlight.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update applicant address from Ametek Newark, Delaware, USA to Ametek Calgary, Canada. Minor documentation updates.



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Additional information:

Rating:

100VAC (90–110VAC), 47-63Hz

120VAC (105-132VAC), 47-63Hz

240VAC (209-264VAC), 47-63Hz

500W Analyzer Panel + 400W Probe Enclosure

Sample Bundle: 240VAC (209-264VAC), 47-63Hz, 20A max.

Purge data:

Minimum purge flow rate/time: 282 L/min for 5 minutes

Protective gas: Instrument Air or N²

Minimum overpressure: 0.62 mBar

Macimum overpressure: 5.08 mBar

Minimum supply pressure: 4.13 Bar

Maximum supply pressure: 6.90 Bar

Maximum leakage flow rate: 15 L/min