



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 ETL 16.0030X Issue No: 1 Certificate history:
Issue No. 1 (2019-05-31)
Issue No. 0 (2016-11-16)

Status: **Current**

Date of Issue: **2019-05-31** Page 1 of 4

Applicant: **Ametek Process Instruments**
150 Feeport Rd.
Pittsburgh, PA 15238
United States of America

Equipment: **AmeVision Display User Interface Unit**

Optional accessory:

Type of Protection: **Flameproof - Ex db**

Marking:
Ex db IIB+H2 T6 Gb
-20°C ≤ Ta ≤ +60°C
IECEx ETL 16.0030X

*Approved for issue on behalf of the IECEx
Certification Body:*

Todd L. Relyea

Position:

Certification Officer

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:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America



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Manufacturer: **Ametek Process Instruments**
150 Freeport Rd.
Pittsburgh, PA 15238
United States of America

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 : 2017 Explosive atmospheres - Part 0: Equipment - General requirements

Edition:7.0

IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

Edition:7.0

*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/ETL/ExTR16.0065/00](#) [US/ETL/ExTR16.0065/01](#)

Quality Assessment Report:

[NO/DNV/QAR10.0007/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The AMEVision host display unit is a display and control unit for use with Ametek WDG-V gas sensors. The display unit employs an approved flameproof enclosure with a glass window with a display and control unit inside.

Ratings: 115-230VAC, 40VA Max, 47-63Hz

See Annex for Manufacturer's Documents.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Entry to the equipment must be made using suitably certified Ex d IIB+H2 Gb Entry device.
2. Unused entry holed must be fitted with suitably certified Ex d IIB+H2 Gb blanking elements.
3. Potential electrostatic charging hazard. Clean with a damp cloth only.
4. There is no intention for any adjustments or repair made on the flamepath joints.



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

Issue 1:

- Gap Analysis completed to update standards from: IEC 60079-0 : Edition: 6 and IEC 60079-1 : Edition: 6. To: IEC 60079-0 : 2017-12 Edition:7 and IEC 60079-1 : 2014-08 Edition: 7
- Corrected typo for Drawing 7000-598-KE. Changed drawing number to 7001-598-KE
- Updated drawing 7001-598-KE from Rev A to Rev B, Dated 04-02-19, Marking change From "Ex d" to "Ex db"
- Updated drawing 7000-949-KE from Rev C to Rev E, Dated 04-02-19
- Updated Manual PN 9700-1430-VE from Rev A to Rev C for 2019
- Updated drawing 9000-182-VE from Rev C to Rev D, Dated 04-02-19

Annex:

[Annex 1 IECEx ETL 16.0030X Issue 0.pdf](#)

[IECEx ETL 160030X Issue 01 -Annex.pdf](#)



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Annex No. 1		

Manufacturer's Documents associated with Issue 0 of this certificate:

Title:	Drawing No.:	Rev. Level:	Date:
AMETEK/Thermox® AMEVision Essential Health & Safety Requirements	PN 9700-143-VE	A	2016
LABEL, AMEVISION, DISPLAY USER INTERFACE, D1/Z1	700-598-KE	A	09-07-16
EXPLOSION PROOF METER HOUSING	7000-949-KE	C	07-09-16
AMEVISION HOST INTERFACE UNIT D1/Z1	9000-182-VE	C	01-11-16

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Intertek



Annex to IECEx Certificate of Conformity

Certificate No:	IECEx ETL 16.0030X	Issue No. 1
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
AMETEK/Thermox® AMEVision Essential Health & Safety Requirements	PN 9700-143-VE	C	2019
LABEL, AMEVISION, DISPLAY USER INTERFACE, D1/Z1	7001-598-KE	B	04-02-19
EXPLOSION PROOF METER HOUSING	7000-949-KE	E	04-02-19
AMEVISION HOST INTERFACE UNIT D1/Z1	9000-182-VE	D	04-02-19