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 FMG 17.0005X**

Certificate history:
Issue 1 (2018-01-24)
Issue 0 (2017-04-25)

Status: **Current**

Issue No: 2

Date of Issue: 2020-03-26

Applicant: **AMETEK Drexelbrook**
205 Keith Valley Rd.
Horsham, PA 19053
United States of America

Equipment: **TLS Dual 4-20mA Total Level System**

Optional accessory:

Type of Protection: **Intrinsic Safety "i"; Flameproof "d"; Dust Ignition Protection "t"**

Marking: Ex ia/db IIB T4 Ga/Gb; Ta = -30°C to 70°C
Ex ia IIB T4 Ga; Ta = -30°C to 70°C
Ex ia tb IIIC T90°C Db; IP66, IP67
Ui = 30V; Ii = 140mA; Pi = 1W; Ci = 0; Li = 0

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 www.iecex.com or use of this QR Code.

Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America

FM Approvals
Member of the FM Global Group

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Manufacturer: **AMETEK Automation & Process Technologies**
6380 Brockway Road
Peck, MI 48466
United States of America

Additional 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 60079-0:2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1:2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11:2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26:2014-10 Edition:3.0	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga
IEC 60079-31:2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

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:

US/FMG/ExTR16.0050/00 US/FMG/ExTR16.0050/01 US/FMG/ExTR16.0050/02

Quality Assessment Report:

NO/PRE/QAR16.0026/04

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

M a b c d e. 316SS Rigid TLS Dual 4-20mA Tank Level System
a = Output: 2, 3.
b = Housing: 3, 4, 5, or 6.
c = Dual Seal: X.
d = Material: B, S, or F.
e = 17 characters not affecting safety.

M a b c V d. UltraFlex TLS Dual 4-20mA Tank Level System
a = Output: 2, 3.
b = Housing: 3, 4, 5, or 6.
c = Dual Seal: X.
d = 17 characters not affecting safety.

SPECIFIC CONDITIONS OF USE: YES as shown below:
1. The enclosure contains aluminum and is considered a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.
2. Consult the manufacturer if dimensional information on the flameproof joints is necessary.
3. The enclosure contains non-metallic enclosure parts. To prevent the risk of electrostatic sparking, the non-metallic surface should be cleaned with a damp cloth.
4. The O-ring material should not be subjected to environmental conditions which may adversely affect the partition wall.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Update to QAR, no technical changes.