



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

420-0004-606	Sht. 1 of 4	APP'D BY SGA
ISSUE	EDO NO.	DATE
2	10-21-112	10/25/21

Certificate No.: **IECEX FTZU 18.0007X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2018-09-05)
Date of Issue: 2021-09-07
Applicant: **AMETEK Drexelbrook**
205 Keith Valley Road
Horsham PA 19044
United States of America
Equipment: **RXLX/SXRXLX Intellipoint RF Level System and RXTX/SXRXTX Intellipoint RF Two-Wire Point Level System**
Optional accessory:
Type of Protection: **flameproof enclosure, dust protection by enclosure, intrinsic safety**
Marking: **RXLX/SXRXLX Intellipoint RF Level System:**
Ex db ia [ia Ga] IIC T5 Gb/Ga
Ex tb ia [ia Da] IIIC T90°C Db/Da
RXTX/SXRXTX Intellipoint RF Two-Wire Point Level System:
Ex ia IIC T5 Ga
Ex ia IIIC T90°C Da

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Martin Gregor

Position:

Vice Head of Certification Body

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:

**Fyzikálne technický zkušební ústav
(Physical -Technical Testing Institute)
Pikartská 7, 71607 Ostrava - Radvanice
Czech Republic**





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Manufacturer: **AMETEK Drexelbrook**
205 Keith Valley Road
Horsham PA 19044
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 60079-0:2017 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

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

[CZ/FTZU/ExTR18.0010/00](#)

[CZ/FTZU/ExTR18.0010/01](#)

Quality Assessment Report:

[NO/PRE/QAR16.0026/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is a level media transmitter with a capacitance sensor. The equipment is in two variants:

RXLX/SXRXLX Intellipoint RF Level System:

It consist of the flameproof metal enclosure with associated intrinsically safe circuits and intrinsically safe circuits. The flameproof enclosure has own Ex component certificate IECEX FMG 14.0004U.

Parameters:

$U_n = 21 \dots 100$ VDC or $85 \dots 250$ VAC

$P_n = 2$ W

RXTX/SXRXTX Intellipoint RF Two-Wire Point Level System:

It consists of intrinsically safe circuits in a metal enclosure.

Parameters:

$U_i = 30$ V, $I_i = 140$ mA, $P_i = 1$ W, $L_i = 174$ μ H, $C_i = 0$;

For strict numbering of the equipment models see User manual No. RMLXX1-LM, issue 16

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The equipment shall not be applied in an explosive dust atmosphere where high electrostatic charging processes are present that could result in propagating brush discharges.
2. Consult the manufacturer if dimensional information on the flameproof joints is necessary.
3. Ambient temperature range:

-30°C to +58°C for RXLX/SXRXLX Intellipoint RF Level System

-30°C to +70°C for RXTX/SXRXTX Intellipoint RF Two-Wire Point Level System



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

New QAR number linked.