



# 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](http://www.iecex.com)

Certificate No.: IECEx DEK 13.0079X

Issue No: 1

Certificate history:

Status: **Current**

[Issue No. 1 \(2019-09-03\)](#)

[Issue No. 0 \(2013-12-16\)](#)

Date of Issue: **2019-09-03**

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

Equipment: **Guided Radar Level Transmitter DR2000 and Radar Level Transmitter DR5200**

*Optional accessory:*

Type of Protection: **ia, ic, db, tb**

Marking:  
For marking refer to Annex 1 to this certificate

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

R. Schuller

*Position:*

Certification Manager

*Signature:  
(for printed version)*

*Date:*

2019-09-03

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:

**DEKRA Certification B.V.**  
Meander 1051,  
6825 MJ Arnhem  
The Netherlands





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Manufacturer: **AMETEK Drexelbrook**  
205 Keith Valley Rd.  
Horsham, PA  
**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:

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

*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:

[NL/DEK/ExTR13.0083/01](#)

Quality Assessment Report:

[NO/PRE/QAR16.0026/04](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Guided Wave Radar Level Transmitter DR2000 type DR2000Aa...t and Radar Level Transmitter DR5200 type DR5200Aa...t are used for continuous level measurement of flammable or non-flammable liquids or solid particles, granulates or powders within storage or process tanks or in a stilling well.

For more detailed information, see Annex 1.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

- When used in an explosive atmosphere requiring the use of a probe of equipment protection level Ga the probe must be installed so that, even in the event of rare incidents, an ignition source due to electrostatic charging of the plastic parts of the apparatus is excluded.
- When used in an explosive dust atmosphere the apparatus must be installed so that electrostatic discharging is excluded.
- The flamepath at the bushing has a width of min. 13.9 mm and a gap of max. 0.118 mm.
- For ambient temperature range see temperature tables in Annex 1.



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

- Minor constructional changes
- Assessed per newer editions of the standards

**Annex:**

[223867300-Annex1 to IECEx DEK 13.0079X Iss1 & Annex1 to ExTR.pdf](#)