



# 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 11.0074X Issue No: 2 Certificate history:  
Status: **Current** Issue No. 2 (2018-10-09)  
Date of Issue: **2018-10-09** Page 1 of 5 Issue No. 1 (2018-08-14)  
Applicant: **ARMANO Messtechnik GmbH** Issue No. 0 (2012-08-21)  
Am Gewerbepark 9  
D-08344  
Beierfeld  
**Germany**

Equipment: **Pressure Gauges and Thermometers with Limit Switch Control (LSC)**  
*Optional accessory:*

Type of Protection: **Ex ia**

Marking:  
Ex ia IIC T6, T5, T4 Gb  
Ex ia IIIC T95 °C, T135 °C Db

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

R. Schuller

*Position:*

Certification Manager

*Signature:  
(for printed version)*

*Date:*

2018-10-09

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

Certificate issued by:

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





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Manufacturer: **ARMANO Messtechnik GmbH**  
Am Gewerbepark 9  
D-08344  
Beierfeld  
**Germany**

Additional Manufacturing location(s):

**ARMANO Messtechnik GmbH**  
Manometerstrasse 5  
D-46487  
Wesel-Ginderich  
Germany

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 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

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

*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:

[NL/DEK/ExTR11.0081/02](#)

Quality Assessment Report:

[NL/DEK/QAR12.0056/05](#)



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## Schedule

### EQUIPMENT:

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

Thermometer Types TSCh..., TGeCh..., TF... and TRCh..., Bourdon Tube Pressure Gauge Types Rch..., RQ... and RSCh..., Diaphragm Pressure Gauge with horizontal and vertical diaphragm Types Pch... and PSCh... and Double/Differential Pressure Gauge Type DiRZCh... serve for the measurement of temperature respectively pressure. The measurement mechanism is purely a mechanical system. The instruments are provided with one to four separately certified proximity switches.

Refer to Annex 1 to Certificate of Conformity.

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

For types with a window made of plastic:

When used in an area requiring the use of equipment with EPL Gb, electrostatic discharge of the window shall be avoided.

When used in an area requiring the use of equipment with EPL Db, propagating brush discharges of the window shall be avoided.



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

Name change



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**Additional information:**

**Annex:**

[223138800-Annex1.pdf](#)