



# 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 PTB 10.0034 issue No.: 0

Certificate history:

Status: **Current**

Date of Issue: **2010-06-21** Page 1 of 3

Applicant: **H. Heinz Meßwiderstände GmbH and Heinz Meßtechnik GmbH**  
Goethestr. 16  
98716 Elgersburg  
Germany

Electrical Apparatus: **Temperature sensors and Screw-in resistance thermometers**  
Optional accessory:

Type of Protection: **Flameproof enclosures "d", Increased safety "e", Intrinsic Safety "i", Encapsulation "m"**

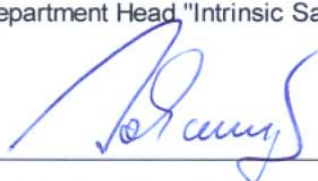
Marking: **Ex e II resp. Ex m II**

Approved for issue on behalf of the IECEx  
Certification Body:

Dr.-Ing. U. Johannsmeyer

Position: Department Head "Intrinsic Safety" and "Safety of Systems"

Signature:  
(for printed version)

  
2010-07-12

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

Certificate issued by:

**Physikalisch-Technische Bundesanstalt (PTB)**  
Bundesallee 100  
38116 Braunschweig  
Germany





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Manufacturer: **H. Heinz Meßwiderstände GmbH and Heinz Meßtechnik GmbH**  
Goethestr. 16  
98716 Elgersburg  
Germany

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 electrical 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 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 60079-11 : 1999</b> Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
<b>IEC 60079-18 : 2004</b> Edition: 2.0	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus
<b>IEC 60079-7 : 2001</b> Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'

*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:

[DE/PTB/ExTR10.0033/00](#)

Quality Assessment Report:

[DE/PTB/QAR10.0004/00](#)



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## Schedule

### EQUIPMENT:

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

Resistive slot thermometers, types NWT 50C, 100C, 200C, 200G, PYRA 8G, PYRA 8K; Ex e II

Screw-in resistance thermometers, type WTH 160-250, WTH 280-400; Ex m II

For further information see schedule.

CONDITIONS OF CERTIFICATION: NO