



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 DEK 12.0049X	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2022-10-26)
Date of Issue:	2023-03-16		Issue 2 (2022-06-09)
			Issue 1 (2018-11-29)
			Issue 0 (2012-09-25)
Applicant:	Endress+Hauser Wetzler GmbH+Co. KG Obere Wank 1 87484 Nesselwang Germany		
Equipment:	RTD and TC temperature sensors and thermometers; see Annex 1.		
Optional accessory:			
Type of Protection:	Ex ia		
Marking:	Ex ia IIC T6...T1 Ga Ex ia IIC T6...T1 Ga/Gb Ex ia IIIC T ₂₀₀ 85 °C...T ₂₀₀ 450 °C Da Ex ia IIIC T ₂₀₀ 85 °C...T ₂₀₀ 450 °C Da / Ex ia IIIC T85 °C...T450 °C Db		

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2023-03-16

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





IECEX Certificate of Conformity

Certificate No.: **IECEX DEK 12.0049X**

Page 2 of 5

Date of issue: 2023-03-16

Issue No: 4

Manufacturer: **Endress+Hauser Wetzler GmbH+Co. KG**
Obere Wank 1
87484 Nesselwang
Germany

Manufacturing locations: **Endress+Hauser Wetzler GmbH+Co. KG** **Endress+Hauser Wetzler (Suzhou) Co. Ltd.** **Endress+Hauser Wetzler USA INC**
Obere Wank 1 Jiang-Tian-Li-lu No.31, 215021 2413 Endress Place
87484 Nesselwang Suzhou-SIP (P.R. China) Greenwood, IN 46143
Germany **China** **United States of America**

See following pages for more 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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-26:2014-10](#) Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga
Edition:3.0

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 Report:

[NL/DEK/ExTR12.0058/04](#)

Quality Assessment Report:

[DE/TUN/QAR06.0009/11](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX DEK 12.0049X**

Page 3 of 5

Date of issue: 2023-03-16

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

RTD-Thermometers, Type TR.-...,
Thermocouple-Thermometers, Type TC.-... and TEC420
RTD Inserts, Type TPR100
Thermocouple Inserts, Type TPC100
Cable sensor, Type TSC310 and TST310
RTD and Thermocouple Sensors iTHERM, Type TM211
Temperature Assembly iTHERM Type TM41.-...

For details refer to Annex 1.

SPECIFIC CONDITIONS OF USE: YES as shown below:

If the mounting head of the Temperature Sensor is made of aluminium and if it is mounted in an area where the use of apparatus of Equipment Protection Level Ga is required, the head must be installed such, that, even in the event of rare incidents, ignition sources due to impact and friction sparks are excluded.

For Temperature Sensors Type TST310-..., TSC310-... and TM211, if intended for use in explosive gas atmospheres where the use of apparatus of Equipment Protection Level Ga is required, electrostatic charges on the cable shall be avoided.



IECEX Certificate of Conformity

Certificate No.: **IECEX DEK 12.0049X**

Page 4 of 5

Date of issue: 2023-03-16

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Minor constructional changes



IECEX Certificate of Conformity

Certificate No.: **IECEX DEK 12.0049X**

Page 5 of 5

Date of issue: 2023-03-16

Issue No: 4

Additional manufacturing locations:

Endress+Hauser Wetzler (India) Pvt. Ltd.
M-171/173, MIDC, Waluj
Aurangabad – 431 136
India

Endress+Hauser Sicestherm S.r.l.
Via Martin Luther King 7/9
I-20060 Pessano con Bornago (MI)
Italy

Annex:

[227291100-Annex1 to ExTR12.0058.04.pdf](#)