



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

Certificate No.: **IECEX DEK 12.0019X** Page 1 of 5 Certificate history:  
Status: **Current** Issue No: 2 [Issue 1 \(2021-08-03\)](#)  
[Issue 0 \(2012-09-28\)](#)  
Date of Issue: 2024-01-10  
Applicant: **Endress+Hauser Wetzler GmbH+Co. KG**  
Obere Wank 1  
87484 Nesselwang  
Germany  
Equipment: **Thermometer iTHERM, Type TM411 and Type TM412**  
Optional accessory:  
Type of Protection: **ta/tb**  
Marking: **Ex ta/tb IIIC T85 °C ... T450 °C Da/Db**

Approved for issue on behalf of the IECEx  
Certification Body:

**L.G. van Schie**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2024-01-10

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.
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Certificate issued by:

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





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

Manufacturing locations: **Endress+Hauser Wetzer GmbH+Co. KG** **Endress+Hauser Wetzer (Suzhou) Co. Ltd.** **Endress+Hauser Wetzer USA INC**  
Obere Wank 1 Jiang-Tian-Li-lu No.31, 215021 2413 Endress Place, Greenwood, IN  
87484 Nesselwang Suzhou-SIP (P.R. China) 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 60079-31:2013](#) 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 Report:

[NL/DEK/ExTR12.0018/02](#)

Quality Assessment Report:

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



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Thermometer iTHERM, Type TM411 and Type TM412 consists of a certified enclosure type TA30A or TA30D, containing terminals or a transmitter (type TMT...) and a direct connected temperature sensor (RTD or thermocouple) in a thermo well. The enclosure can be provided with a blind or windowed cover.

For type designation, electrical and thermal data see Annex 1.

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

For temperature code and ambient temperature range see Annex 1.



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

- Introduction of transmitters type TMT31, TMT86
- Update of the documentation



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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:**

[228008300-Annex1 to ExTR12.0018.02.pdf](#)