

UK Type Examination Certificate CML 21UKEX21005X Issue 0**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Temperature Transmitter, Type iTEMP TMT142 and Type iTEMP TMT162**
- 3 Manufacturer **Endress+Hauser Wetzer GmbH+Co. KG**
- 4 Address **Obere Wank 1,87484 Nesselwang,Germany**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:
EN IEC 60079-0:2018 EN 60079-11:2012

- 10 The equipment shall be marked with the following:



Refer to attached certificate DEKRA 17ATEX0048X, Issue 1 for specific marking of explosion protection symbols.

Refer to attached certificate DEKRA 17ATEX0048X, Issue 1 for marked code and ambient temperature range.



A. M. Good
Certification Officer



CML 21UKEX21005X
Issue 0

11 Description

For product description refer to attached certificate DEKRA 17ATEX0048X, Issue 1.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	04 Nov 2021	R14537M/00	Issue of the prime certificate. DEKRA 17ATEX0048X, Issue 1 is attached and shall be referred to in conjunction with this certificate.

Note: Drawings that describe the equipment are listed or referred to in the Annex.

13 Conditions of Manufacture

For conditions of manufacture, refer to attached certificate DEKRA 17ATEX0048X, Issue 1. Any routine tests/verifications required by the ATEX certification shall be conducted.

14 Specific Conditions of Use

For specific conditions of use, refer to attached certificate DEKRA 17ATEX0048X, Issue 1.

Certificate Annex

Certificate Number CML 21UKEX21005X
Equipment Temperature Transmitter, Type iTEMP TMT142 and
Type iTEMP TMT162
Manufacturer Endress+Hauser Wetzler GmbH+Co. KG



The following documents describe the equipment defined in this certificate:

Issue 0

For drawings describing the equipment, refer to attached certificate DEKRA 17ATEX0048X. In addition to the drawings listed on DEKRA 17ATEX0048X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
10000012798	1 to 2	-	04 Nov 2021	Nameplate UKCA Transmitter units for Category 1 or 2

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 17ATEX0048 X** Issue Number: **1**

(4) Product: **Temperature Transmitter, Type iTEMP TMT142 and Type iTEMP TMT162**

(5) Manufacturer: **Endress+Hauser Wetzler GmbH+Co. KG**

(6) Address: **Obere Wank 1, 87484 Nesselwang, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/KEM/ExTR06.0038/06.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079-11 : 2012

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 1 G Ex ia IIC/IIB/IIA T6...T4 Ga or

II 2 D Ex ia IIIC/IIIB/IIIA T85 °C...T110 °C Db

Date of certification: 27 September 2021

DEKRA Certification B.V.



R. Schuller
Certification Manager

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 17ATEX0048X**

Issue No. 1

(15) **Description**

Temperature Transmitters iTEMP Type TMT142 and iTEMP Type TMT162 consist of an enclosure, made of aluminium or stainless steel, containing electronic circuits, terminals and optionally a display. The transmitters are used to convert the measurement signal of an external or an integral temperature sensor into an output signal.

Depending on the version, the transmitter provides a 4 - 20 mA current output signal with HART communication or is connected to a fieldbus (Profibus PA or Foundation Fieldbus) (iTEMP Type TMT162 only).

For more information regarding Thermal data, Electrical data and Type designation see Annex 1 to Report No. NL/KEM/ExTR06.0038/06.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/KEM/ExTR06.0038/06.

(17) **Specific conditions of use**

When the enclosure of the Temperature Transmitter, iTEMP Type TMT142 and iTEMP Type TMT162 is made of aluminium, if it is mounted in an area where the use of EPL Ga apparatus is required, it must be installed such, that, even in the event of rare incidents, ignition sources due to impact and friction sparks are excluded.

When the enclosure is provided with a non-conductive coating, electrostatic charges on the equipment enclosure shall be avoided. For more details see safety instructions.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR06.0038/06.

(20) **Certificate history**

Issue 0 -	222429400	initial certificate
Issue 1 -	225649300	assessed per EN IEC 60079 : 2018