

UK Type Examination Certificate CML 21UKEX21004 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 **DisplayType TID10, OTID10**
- 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 PTB 08 ATEX 2007, Issue 2 for specific marking of explosion protection symbols.

Refer to attached certificate PTB 08 ATEX 2007, Issue 2 for marked code and ambient temperature range.



CML 21UKEX21004
Issue 0

11 Description

For product description refer to attached certificate PTB 08 ATEX 2007, Issue 2

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	05 Nov 2021	R14537L/00	Issue of the prime certificate. PTB 08 ATEX 2007, Issue 2 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 PTB 08 ATEX 2007, Issue 2. Any routine tests/verifications required by the ATEX certification shall be conducted.

14 Specific Conditions of Use

None.

Certificate Annex

Certificate Number CML 21UKEX21004
Equipment DisplayType TID10, OTID10
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 PTB 08 ATEX 2007. In addition to the drawings listed on PTB 08 ATEX 2007, 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	-	05 Nov 2021	Nameplate UKCA Transmitter units for Category 1 or 2



EU-Baumusterprüfbescheinigung

- (1)
- (2) Geräte oder Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen - **Richtlinie 2014/34/EU**
- (3) EU-Baumusterprüfbescheinigungsnummer

PTB 08 ATEX 2007

Ausgabe: 2

- (4) Produkt: Display Typ TID10, OTID10
- (5) Hersteller: Endress + Hauser Wetzler GmbH + Co. KG
- (6) Anschrift: Obere Wank 1, 87484 Nesselwang, Deutschland
- (7) Die Bauart dieses Produkts sowie die verschiedenen zulässigen Ausführungen sind in der Anlage und den darin aufgeführten Unterlagen zu dieser Baumusterprüfbescheinigung festgelegt.
- (8) Die Physikalisch-Technische Bundesanstalt, notifizierte Stelle Nr. 0102 gemäß Artikel 17 der Richtlinie 2014/34/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014, bescheinigt, dass dieses Produkt die grundlegenden Sicherheits- und Gesundheitsanforderungen für die Konzeption und den Bau von Produkten zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen gemäß Anhang II der Richtlinie erfüllt.
- Die Ergebnisse der Prüfung sind in dem vertraulichen Prüfbericht PTB Ex 21-21092 festgehalten.
- (9) Die grundlegenden Sicherheits- und Gesundheitsanforderungen werden erfüllt durch Übereinstimmung mit
EN IEC 60079-0:2018, EN 60079-11:2012
- (10) Falls das Zeichen „X“ hinter der Bescheinigungsnummer steht, wird auf besondere Bedingungen für die sichere Anwendung des Produkts in der Anlage zu dieser Bescheinigung hingewiesen.
- (11) Diese EU-Baumusterprüfbescheinigung bezieht sich nur auf Konzeption und Prüfung des festgelegten Produkts gemäß Richtlinie 2014/34/EU. Weitere Anforderungen dieser Richtlinie gelten für die Herstellung und das Bereitstellen auf dem Markt. Diese Anforderungen werden nicht durch diese Bescheinigung abgedeckt.
- (12) Die Kennzeichnung des Produkts muss die folgenden Angaben enthalten:



II 2 G Ex ia IIC T6...T4 Gb

Konformitätsbewertungsstelle, Sektor Explosionsschutz
Im Auftrag

Braunschweig, 4. August 2021

Dr.-Ing. M. Thedens
Regierungsdirektor



(13)

Anlage

(14) **EU-Baumusterprüfbescheinigung PTB 08 ATEX 2007 , Ausgabe: 2**

(15) Beschreibung des Produkts

Das Display Typ TID10-.. und OTID10-.. dient zur Konfiguration der Temperatur Kopftransmitter Typen TMT8x, OTMT8x und TMT7x sowie zur Anzeige von Transmittereinstellungen.

Der Einsatz erfolgt innerhalb des explosionsgefährdeten Bereichs.

Der Zusammenhang zwischen der Temperaturklasse und den zulässigen Umgebungstemperaturbereichen ist der folgenden Tabelle zu entnehmen:

	T _u zul.
T6	-40 °C ... 55 °C
T5	-40 °C ... 70 °C
T4	-40 °C ... 85 °C

Elektrische Daten

Spannungsversorgung.....in Zündschutzart Eigensicherheit Ex ia IIC
nur zum Anschluss an die LCD-
Schnittstelle der bescheinigten
Temperaturkopftransmitter iTEMP Typen
TMT8x, OTMT8x und TMT7x.

Änderungen in Bezug auf vorherige Ausgaben

- Anpassung der Prüfspezifikation an den aktuellen Normenstand
- Änderungen am inneren elektrischen Aufbau

(16) Prüfbericht PTB Ex 21-21092

(17) Besondere Bedingungen

Keine



Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut



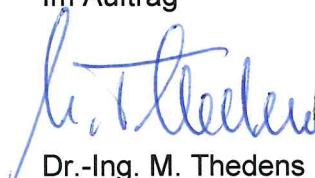
Anlage zur EU-Baumusterprüfbescheinigung PTB 08 ATEX 2007 , Ausgabe: 2

(18) Grundlegende Sicherheits- und Gesundheitsanforderungen

Erfüllt durch Übereinstimmung mit den vorgenannten Normen.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
Im Auftrag

Braunschweig, 4. August 2021


Dr.-Ing. M. Thedens
Regierungsdirektor





(1) **EU-TYPE EXAMINATION CERTIFICATE**
(Translation)

(2) Equipment or Protective Systems Intended for Use in
 Potentially Explosive Atmospheres - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

PTB 08 ATEX 2007

Issue: 2

(4) Product: Display Typ TID10, OTID10

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

(6) Address: Obere Wank 1, 87484 Nesselwang, Deutschland

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the 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 the confidential Test Report PTB Ex 21-21092.

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

EN IEC 60079-0:2018; EN 60079-11:2012

(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 in accordance to the Directive 2014/34/EU. 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 2 G Ex ia IIC T6...T4 Gb

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, August 4, 2021

On behalf of PTB:

Dr.-Ing. M. Thedens
 Regierungsdirektor



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EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

SCHEDULE

(13)

(14) **EU-Type Examination Certificate Number PTB 08 ATEX 2007 , Issue: 2**

(15) Description of Product

The display, type TID10-.. is used for the configuration of the head-type temperature transmitters of types TMT8x, OTMT8x and TMT7x as well as for the display of transmitter settings.

The equipment is installed inside the hazardous area.

For relationship between temperature class and permissible ranges of the ambient temperature, reference is made to the following table:

	T _A permissible
T6	-40 °C ... 55 °C
T5	-40 °C ... 70 °C
T4	-40 °C ... 85 °C

Electrical data

Voltage supply type of protection Intrinsic Safety Ex ia IIC
only for connection to the LCD-connector of
certified head-type temperature
transmitters iTEMP type TMT8x, OTMT8x
and TMT7x.

Changes with respect to previous editions

- Adaptation of the test specification to the current state of standards
- Changes to the internal electrical structure

(16) Test Report PTB Ex21-21092

(17) Specific conditions of use

None



SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 08 ATEX 2007 , Issue: 2

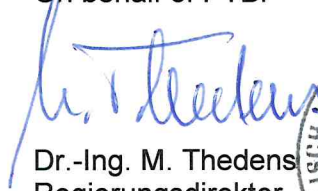
(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, August 4, 2021

On behalf of PTB:


Dr.-Ing. M. Thedens
Regierungsdirektor

