

UK Type Examination Certificate CML 21UKEX2993X 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 **Indicating instruments, types RIA 15 and ORIA 15**
- 3 Manufacturer **Endress+Hauser Wetzler 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+AC:2020 EN 60079-11:2012

- 10 The equipment shall be marked with the following:



Refer to attached certificate PTB 12 ATEX 2017 X, Issue 1 for specific marking of explosion protection symbols.

Refer to attached certificate PTB 12 ATEX 2017 X, Issue 1 for marked code and ambient temperature range.





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11 Description

For product description refer to attached certificate PTB 12 ATEX 2017 X, Issue 1.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	31 st May 2022	R14537B/00	Issue of the prime certificate. PTB 12 ATEX 2017 X, 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 PTB 12 ATEX 2017 X, 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 PTB 12 ATEX 2017 X, Issue 1.

Certificate Annex

Certificate Number CML 21UKEX2993X
Equipment Indicating instruments, types RIA 15 and ORIA 15
Manufacturer Endress+Hauser Wetzler GmbH+Co. KG



The following documents describe the equipment defined in this certificate:

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For drawings describing the equipment, refer to attached certificate PTB 12 ATEX 2017 X. In addition to the drawings listed on PTB 12 ATEX 2017 X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
10000012823	1 of 1	-	31 st May 2022	Nameplate UKCA Component units for Category 1 or 2



(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 12 ATEX 2017 X

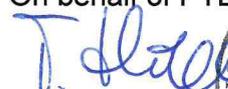
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- (4) Product: Indicating instruments, types RIA15 and ORIA15
- (5) Manufacturer: Endress + Hauser Wetzler GmbH + Co. KG
- (6) Address: Obere Wank 1, 87484 Nesselwang, Germany
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) 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 22-21095.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018+AC:2020
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 ib IIC T6 Gb**

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 10, 2022



Dr.-Ing. T. Horn
Regierungsdirektor



SCHEDULE

(13)

(14) **EU-Type Examination Certificate Number PTB 12 ATEX 2017 X, Issue: 1**

(15) Description of Product

The indicator type RIA15 and ORIA15 is used to measure and display currents. Operation takes place within 4...20 mA measuring current loops. A HART modem is optionally available.

The indicator can be used within intrinsically safe circuits of Level of Protection ia without affecting its Level of Protection.

It is installed in a field housing or in a control panel.

The equipment is installed inside the hazardous area.

The permissible ambient temperature range is -40 °C ... 60 °C.

Electrical data

Supply circuit Type of protection Intrinsic Safety Ex ib IIC
(terminals +/- resp. +/-LED, auxiliary terminals П/-)

Only for connection to a certified intrinsically safe circuit

Maximum values:

$U_i = 30 \text{ V DC}$

$I_i = 200 \text{ mA}$

$P_i = 900 \text{ mW}$

$L_i = 35.1 \mu\text{H}$

C_i negligibly small

Changes with respect to previous editions

- Adaption to the state of the standards given above.
- Change of the drawing numbers

(16) Test Report PTB Ex 22-21095

(17) Specific conditions of use

The indicator type RIA15 and ORIA15 must be set up in such a way that, even in rare cases, the generation of sparks as a result of impact or friction processes between metal/steel and the housing is excluded.

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SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 12 ATEX 2017 X, Issue: 1

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

According to Article 41 of Directive 2014/34/EU, EC-type examination certificates which have been issued according to Directive 94/9/EC prior to the date of coming into force of Directive 2014/34/EU (April 20, 2016) may be considered as if they were issued already in compliance with Directive 2014/34/EU. By permission of the European Commission supplements to such EC-type examination certificates and new issues of such certificates may continue to hold the original certificate number issued before April 20, 2016.

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, May 10, 2022

On behalf of PTB:



Dr.-Ing. T. Horn
Regierungsdirektor

