

UK Type Examination Certificate CML 21UKEX21055X Issue 0**United Kingdom Conformity Assessment**

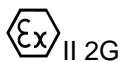
- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Explosionproof temperature measuring device Ex-MP4 a**
- 3 Manufacturer **Pepperl+Fuchs SE**
- 4 Address **Lilienthalstrasse 200
68307 Mannheim
Germany**

- 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 EN 60079-28:2015

- 10 The equipment shall be marked with the following:



Ex ia op is IIC T4 Gb
0°C<Ta<50°C



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11 Description

Temperature measuring device for contactless measurement of surface temperatures. The sensor detects emitted, reflected and transmitted radiation, which is focused on a detector. A laser marks the measured sample. Measuring into zone 0 is permitted. The permitted ambient temperature range is between $0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$.

Electrical data:

Hand-held battery powered device
with maximum values (internally):

$U_0 = 9.9 \text{ V}$

$I_0 = 110 \text{ mA}$ (after current-limitation)

$P_0 = 1.066 \text{ W}$

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	28 Sept 2021	R14112BK/00	Prime Certificate issued.

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

13 Conditions of Manufacture

None.

14 Specific Conditions of Use

Only the primary batteries as described in the Ex-Safety Manual are permitted. The battery is only allowed to be changed outside of the hazardous area. The device is only allowed to be used in the hazardous areas using the provided leather case. If a measurement into zone 0 is planned, the device has to be secured with the hand strap.

Certificate Annex

Certificate Number CML 21UKEX1055X
Equipment Explosionproof temperature measuring device Ex-MP4 a
Manufacturer Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

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For drawings describing the equipment, refer to attached certificate EPS 10 ATEX 1 242 X. In addition to the drawings listed on EPS 10 ATEX 1 242 X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
16-1555CM-10	1 to 2	0	28 Sept 2021	Additional Marking Requirements for UKCA