UK Type Examination Certificate   CML 21UKEX21002X   Issue   0
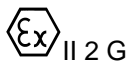
United Kingdom Conformity Assessment

1   Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

2   Equipment   **Infrared Thermometer FLUKE 568 EX**

3   Manufacturer   **ECOM Instruments GmbH**

4   Address   **Industriestrasse 2**
    97959 Assamstadt
    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⟩ II 2 G

       Ex ia op is IIC T4 Gb

Ben Trafford
Certification Officer

11 Description

The Infrared and Contact Thermometer is a handheld device supplied by two primary batteries. In the noncontact case the thermometer determines an object's surface temperature by measuring the amount of infrared energy radiated by the measured object's surface. The thermometer also supports contact temperature measurement via a K-type thermocouple.

It is allowed to measure contactless into zone 0.

It is not allowed to bring the device itself into zone 0.

The IR-thermometer uses a laser diode to determine the measurement point or area. The measured temperature is indicated on a display and stored in an internal memory. The stored data can be reread on the display.

Equipment:

- Hard Case type 568 EX

-Probe of type 80PK-1

Electrical data:

Supply:

Two specially certified Alkaline-Manganese Dioxide Batteries Type AAA (LR03) in series (see safety instructions). Nominal voltage each 1.5 V

Laserdiode:

Optical power < 12 mW

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	27 Sept 2021	R14112BF/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

Permitted ambient temperature: 0 °C <Ta <+ 50 °C
The IR-thermometer shall only be used with the leather wrapper (LH568) around the hand grip.
The device must not be opened inside the Ex-area

This certificate shall only be copied
in its entirety and without change
www.CMLEx.com

2 of 2

Version: 5.0 Approval: Approved

Certificate Annex

Certificate Number   **CML 21UKEX21002X**

Equipment   **Infrared Thermometer FLUKE 568 EX**

Manufacturer   **ECOM Instruments GmbH**

The following documents describe the equipment defined in this certificate:

Issue 0

For drawings describing the equipment, refer to attached certificate EPS 13 ATEX 1 525 X. In addition to the drawings listed on EPS 13 ATEX 1 525 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	27 Sept 2021	Additional Marking Requirements for UKCA