

# EU TYPE-EXAMINATION CERTIFICATE

1. EU type-examination Certificate (Module B)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)



3. EU type examination certificate Nr **ITS17ATEX201515X R.1**

4. **Product:** TP7-D & TP9-A Digital Thermometers

5. **Manufacturer:** Thermoprobe Inc.

**Applicant:** Thermoprobe Inc.

6. **Address:** 112A Jetport Drive  
Pearl, MS 39208  
USA

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7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.

8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 102791310DAL-006 Dated: April 2017, 103815196DAL-002 Dated: February 2019, 104633721DAL-002 Dated: April 2021 and 105317456DAL-002 Dated: Feb 2023.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2018 and EN 60079-11:2012 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign X is placed after the certificate number, it indicates that the product is subject to Special Conditions for Safe 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 IIB T4 Ga  
-20°C ≤ Ta ≤ +40°C (not marked)

24 March 2023

**Certificate issue date**

**Todd Relyea**  
Certification Officer  
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

**Intertek Italia S.p.A.** Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy



## SCHEDULE

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### 13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The Thermoprobe model TP7-D and TP9-A are portable battery powered thermometers. Temperature measurement is displayed through a digital display on the equipment fascia.

Equipment enclosures are produced from stainless steel. The TP7-D utilizes a cylindrical enclosure with an approximate diameter of 18cm and a height of 8.5cm. The top face of the enclosure utilizes an LCD display. A resistive temperature sensor is attached by an integral cable which may have a length up to 50m. The body of the instrument acts as a winding drum to store the sensor cable. A non-metallic cylindrical carry handle with an approximate diameter of 4cm and height of 12cm is mounted off the main enclosure and additionally acts as a holder for the sensor head when not in use.

The TP9-A circuitry is housed within a rectangular cuboidal enclosure with approximate dimensions of 13cm x 7.5mm x 11.5cm. This is attached to a metallic backing plate which additionally mounts the carry handle and probe holster. A resistive temperature sensor is attached by an integral cable which may have a length up to 50m. The cable is wound around a spool located behind the metallic backing plate.

Equipment is powered by two internally mounted AA cells and has been tested for use with the following models. Refer to the manufacturers' instruction manual for the relevant safety information when changing cells.

Manufacturer	Model
Duracell AA (LR6)	MN1500
Panasonic AA (LR6)	LR6XWA
GP (Gold Peak) AA (LR6)	GP15A

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

### 14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
TP7D SERIAL & DATA PLATE	TP7D-SNPL-009-CD	6	9/22/2020
TP9A SERIAL PLATE	TP9A-SNPL-009-CD	7	9/22/2020
TP9A_TP7D C15 Board	C15-BOM-001-CD	0	08/19/2016
C15 Board Circuit Revision 3.1 For Certification of Models TP7-C and TP9-A	C15-BRD-001-CD	3.1	07/15/2016
C15 BOARDV3.1 LAYOUT & SPECS	C15-LYT-001-CD	0	08/08/2016
TP7D ASSEMBLY	TP7D-ASSY-008-CD	3	01/22/2019
TP9A PRODUCTION ASSEMBLY	TP9A-ASSY-001-CD	3	01/22/2019
PROBE ASSEMBLY 2 OR 3 CONDUCTOR CABLE WITH ARAMID SHEATH	TPPG-ASSY-001-CD	9	01/22/2019



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TITLE	DOCUMENT Nr	LEVEL	DATE
PROBE ASSEMBLY RTD SENSOR DETAIL	TPPG-RTD-009-CD	0	07/27/2016
*C22-Brd	C22-BRD-001-CD	1.0	12/21/2022
*TP9A_TP7D C22 Board	C22-BOM-001-CD	0	01/24/2023
*C22 Board Layout & Specs	C22-LYT-001-CD	0	12/27/2022
*SAFETY INSTRUCTIONS - TP7-D & TP9-A	N/A	022023	02/2023

Note: An \* is included before the title of documents that are new or revised.

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

### 15. SPECIAL CONDITIONS FOR SAFE USE

- The following metal parts have been considered isolated when the bonding connection is not made and have the potential to hold charge. See below for measured capacitance values:
  - TP7-D main enclosure: 428.7pF
  - TP9-A main enclosure: 56.4pF
  - Bonding clip: 64.1pF
  - Probe head: 89.7pF
- Refer to the manufacturers' instruction manual for details on the mitigation of electrical discharge.

### 16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek: 104633721DAL-002 Dated April 2021.

### 17. ROUTINE (FACTORY) TESTS

- N/A

### 18. DETAIL OF CERTIFICATE CHANGES

#### April 2021 (R.0)

- Updating NB on TP7D label.
- Updating NB on TP9A label.

#### Feb 2023 (R.1)

- Added alternate circuit board, C22.
- Updated critical drawing list.
- Removed drawings "TP7D-BOM-001-CD & TP9A-BOM-001-CD".