



1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**
3. **EU-Type Examination Certificate Number: ITS17ATEX201515X Issue 0**
4. **Product:** TP7-D & TP9-A Digital Thermometers
5. **Manufacturer:** Thermoprobe Inc.
6. **Address:** 112A Jetport Dr, Pearl, MS 39208, USA

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

8. Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 confidential Intertek Report Ref 102791310DAL-006 dated April 2017.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012 + A11 2013 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 Specific Conditions of 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)

A handwritten signature in black ink that reads 'Kevin J. Wolf'.

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**Kevin J. Wolf**  
Certification Officer  
26APR2017



## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS17ATEX201515X

#### 13. Description of 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 utilises a cylindrical enclosure with an approximate diameter of 18cm and a height of 8.5cm. The top face of the enclosure utilises 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.

<b>Manufacturer</b>	<b>Model</b>
Duracell AA (LR6)	MN1500
Panasonic AA (LR6)	LR6XWA
GP (Gold Peak) AA (LR6)	GP15A

#### 14. Report Number

Intertek Report Ref: 102791310DAL-006 dated April 2017.

#### 15. Special Conditions of Certification

##### (a). Specific Conditions of Safe Use

- The following metal parts have been considered isolated when the bonding connection is not made and have the potential to hold charge.

<b>TP7-D main enclosure:</b>	428.7pF
<b>TP9-A main enclosure:</b>	56.4pF
<b>Bonding clip:</b>	64.1pF
<b>Probe head:</b>	89.7pF

Refer to the manufacturers' instruction manual for details on the mitigation of electrical discharge.

##### (b). Conditions of Manufacture - Routine Tests

- N/A, no routine tests apply.

