



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx ULD 11.0009X issue No.:0 Certificate history: _____

Status: **Current**

Date of Issue: **2012-09-21** Page 1 of 3

Applicant: **THERMOPROBE INC**
112A Jet Port Dr, Pearl, MS, 39208
United States of America

Electrical Apparatus: **TL1-A, TL1-W, TL1-R Electronic Thermometers**
Optional accessory:

Type of Protection: **Ex 'ib'**

Marking: IECEx ULD 11.0009X
Ex ib IIC T4

*Approved for issue on behalf of the IECEx
Certification Body:* Jasmin Omerovic

Position: Certification Project Engineer

Signature:
(for printed version) _____

Date: _____

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

UL International DEMKO A/S
Borupvang 5A,
DK-2750 Ballerup
Denmark





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Manufacturer: **THERMOPROBE INC**
112A JET PORT DR, PEARL, MS, 39208
United States of America

Additional Manufacturing location
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-11 : 2006 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 5

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
[DK/ULD/ExTR12.0004/00](#)

Quality Assessment Report:
[GB/ITS/QAR12.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Type **TL1-A** thermometer has a metal and plastic enclosure containing a printed circuit board and a liquid crystal display. A resistive temperature sensor is enclosed in a metal probe. The meter is powered from an internally fitted Coin cell (IEC CR2032) type battery.

Type **TL1-W** thermometer is a modified version of the model TL1-A. It features an anodised aluminium frame for reinforcement and is powered from two AAA Batteries.

Type **TL1-R** thermometer has a metal and plastic enclosure containing a printed circuit board (with filter board for improved precision and stability) and a liquid crystal display. A resistive temperature sensor is enclosed in a metal probe. The meter is powered from two AAA Batteries.

CONDITIONS OF CERTIFICATION: YES as shown below:

- Only the listed batteries are permitted: Duracell DL2032 & MN2400, Gold Peak GP24A, Panasonic LR03XWA
- The batteries must not be changed in the Hazardous Location.