



Intertek



1. **EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. EC-Type Examination Certificate Number: **ITS10ATEX27114XX**

4. Equipment or Protective System: **Digital Thermometer Model Beta ProbeTI and Beta Probe TI+**

5. Manufacturer: **MARTEL ELECTRONICS CORP**

6. Address: **3 Corporate Park Drive
Derry
NH 03038 USA**

7. This equipment or protective system 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 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this 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 systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.


The examination and test results are recorded in Intertek project file ref 10048447.

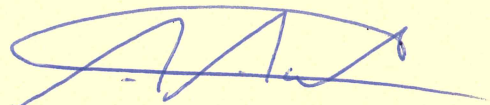
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2009 and EN 60079-11:2007 except in respect of those requirements referred to at item 18 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-

 II 2 G Ex ib IIB T4 Gb (-10° < Ta < +50°)



A T Austin
Certification Officer
23rd August 2010

Intertek Testing & Certification Limited
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13. SCHEDULE

14. EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS10ATEX27114X

15. DESCRIPTION OF EQUIPMENT OR PROTECTIVE SYSTEM

Hand held Digital Thermometer Model Beta Probe TI and Beta Probe TI+. The equipment is powered by three 1.5 V Duracell MN2400, Rayovac 824, Energizer E92 or Panasonic LR03 "AAA" alkaline batteries. The product features a stainless steel RTD probe and a polymeric housing with LCD display. The batteries are accessible by a cover opened by a quarter turn screw.

The Beta Probe TI+ is fitted with an RS232 interface used for configuration of the thermometer and is not for use in the hazardous area.

The Beta Probe TI and Beta Probe TI+ may also be branded as a Fluke 1551 Ex Thermometer and a Fluke 1552 Ex Thermometer respectively.

16. REPORT NUMBER

Intertek Report Ref 10048447 Issue 1

17. SPECIAL CONDITIONS FOR SAFE USE

The condition of safe use relating to this product:

The equipment may only be used within the ambient temperature range $-10^{\circ} < T_a < +50^{\circ}$

The Beta Probe TI+ is fitted with an RS232 interface used for configuration of the thermometer and is not for use in the hazardous area.

The Beta Probe must be checked for correct operation before it is taken or used in a hazardous area.

None

18. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSR'S)

The relevant EHSR's have been identified and assessed in Intertek Report Ref 10048447 Issue 1.

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19. DRAWINGS

Drawing No.:	Rev. Level:	Date:	Title:
0300009	01	20/04/2010	Beta Probe TI/TI+ Temp Stik Final Assembly
0300012	1	17/06/2010	Probe, RTD, S/S
0340063	C	02/06/2010	Temp Stik PCB Assembly Drawing
0340063-1	C	02/06/2010	Temp Stik PCB Fabrication Drawing
0340063-2	C	02/06/2010	Temp Stik PCB Silkscreen – Top Side
0340063-3	C	02/06/2010	Temp Stik PCB Silkscreen Bottom Side
0340063-4	C	02/06/2010	Temp Stik PCB Layer 1 – Top Side
0340063-7	C	02/06/2010	Temp Stik PCB Layer 4 – Bottom Side
0350161	01	24/05/2010	Label, Beta Probe Ti, TI+
0351087	01	24/05/2010	Key Pad, Temp Stik
0360011	A	03/06/2010	Temp Stik - BLOCK DIAGRAM
0361220	01	21/05/2010	Case Bottom, Beta Temp Stik
0361221	01	21/05/2010	Case Top, Beta Temp Stik
0361222	01	21/05/2010	Door, Battery w/Captive Screw Beta
0365195	2	02/04/2010	Insulator, Battery Pack
0365198	01	24/05/2010	Probe Holder, Temp Stik
0365199	01	24/05/2010	Cap, Probe Holder
0370202	5	02/09/2010	Label, S/N, Temp Stick
S2262	0	16/02/2010	Platinum Secondary Standard Replacement Stem
0219876	B	9/10	Beta Probe TI User Reference Manual
0350158-1	1	5/27/2010	Fluke label
0350158-1	1	5/27/2010	Fluke label
0370202	5	9/2/2010	Fluke label

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