

CERTIFICATE OF CALIBRATION

Date Of Issue
5th August 2014

Certificate Number
050814/N12



0601

Certificate Issued By:



Electronic Temperature Instruments Ltd
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Approved Signatory	Signature
J. Hutchins	
R. Collins	
G. Hills	

Customer Name: SIGNATROL LIMITED
Address: UNIT E2
GREEN LANE BUSINESS PARK
TEWKESBURY
GLOUCESTERSHIRE
GL20 8SJ

Order Number: 44654

Ref Number: 416/41483

Date Received: 30th July 2014

Date Calibrated: 5th August 2014

Ambient Temperature: 22 °C ± 2 °C Ambient Humidity: < 60 %rh

Temperature Scale: International Temperature Scale of 1990

Inst Description: ETI REFERENCE THERMOMETER

Sensor Type: INTEGRAL 130mm PT100 LIQUID PROBE

Inst Serial Number: D12360142 Sensor Serial Number: N/A

Calibrated Range/Scale: - 18 °C to + 195 °C / 0.01 °C RESOLUTION

Procedure: The Instrument was stabilised at ambient temperature, then calibrated by comparison with two traceable references in stirred liquid baths. Immersion depth 110mm

Results: Test Temperature °C	Instrument Reading °C
- 18.00	- 17.99
0.00	0.01
25.00	25.01
100.00	100.00
121.00	120.99
134.00	133.99
195.00	195.00

Uncertainty of Measurement ± 0.04 °C + Instrument Resolution.

End of Report

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Results indicate performance of instrument at time of measurement, with no warranty as to specification, repeatability or long term stability.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/ or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes, including the National Institute of Standards and Technology (NIST).

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