

CERTIFICATE OF CALIBRATION

Date Of Issue
20th August 2013

Certificate Number
200813/N6



0601

Certificate Issued By:



Electronic Temperature Instruments Ltd
Easting Close, Worthing
West Sussex BN14 8HQ England
Telephone +44 01903 202151
Facsimile +44 01903 202445
email: sales@etiltd.co.uk
Website: www.etiltd.co.uk

Page 1 of 1 pages

| Approved Signatory | Signature |
|--------------------|--------------------|
| J. Carswell | <i>J. Carswell</i> |
| R. Collins | |
| G.Hills | |

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

Order Number: 44378

Ref Number: 369/36792

Date Received: 19th August 2013

Date Calibrated: 20th August 2013

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: - 20 °C to + 100 °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 |
|------------------------------|-----------------------|
| - 20.00 | - 20.00 |
| 0.00 | 0.00 |
| 4.00 | 4.00 |
| 25.00 | 25.00 |
| 100.00 | 100.01 |

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 measurements to recognised national standards, and to units of measurement realised at the National Physical Laboratory and other recognised national standards laboratories, including the National Institute of Standards and Technology (NIST).

This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.