

# CERTIFICATE OF CALIBRATION

Date Of Issue  
18th October 2012

Certificate Number  
181012/N3



0601

Certificate Issued By:



Electronic Temperature Instruments Ltd  
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Approved Signatory	Signature
J. Carswell	
D. Carter	
G. Hills	

Customer Name: SIGNATROL LIMITED  
Address: 1st & 2nd FLOOR OFFICES  
105 CHURCH STREET  
TEWKESBURY  
GLOUCESTERSHIRE  
GL20 5AB

Order Number: 44135

Ref Number: 332/33031

Date Received: 17th October 2012

Date Calibrated: 18th October 2012

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: D12350659

Sensor Serial Number: N/A

Calibrated Range/Scale: - 18 °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

-18.00	-17.99
0.00	0.00
40.00	40.01
70.00	69.99
100.00	100.00

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 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).

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