

# CERTIFICATE OF CALIBRATION

Date Of Issue  
8th January 2014

Certificate Number  
080114/N10



No. 0601

Certificate Issued By:

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

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

Order Number: 44464

Ref Number: 387/38532

Date Received: 6th January 2014

Date Calibrated: 8th January 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 120mm PT100 PROBE

Inst Serial Number: D13510524

Probe Serial Number: N/A

Calibrated Range/Scale: - 20 °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

*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 or other recognised national standard laboratories.

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UKAS Accredited Calibration Laboratory No 0601

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Instrument Serial Number: D13510524

Sensor Serial Number: N/A

## Results:

Test Temperature °C	Instrument Reading °C
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0.00	0.00
- 20.00	- 20.01
0.00	0.00
8.00	8.00
25.00	24.99
100.00	100.00
121.00	121.00
134.00	133.99
194.99	194.97
0.00	0.00

Uncertainty of Measurement  $\pm 0.04$  °C + Instrument Resolution

End of Report