

CERTIFICATE OF CALIBRATION

Date Of Issue
2nd October

Certificate Number
021013/N15



0601

Certificate Issued By:

Electronic Temperature Instruments Ltd
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West Sussex BN14 8HQ England
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Approved Signatory	Signature
J. Hutchins	
R. Collins	
G.Hills	

Customer Name: THERMOWORKS INC
Address: 1762 W 20 S
UNIT 100
LINDON
UTAH 84042
USA

Order Number: PO-15465

Ref Number: 375/37360

Date Received: 24th September

Date Calibrated: 1st October

Ambient Temperature: 22 °C ± 2 °C

Ambient Humidity: < 60 %rh

Temperature Scale: International Temperature Scale of 1990

Inst Description: THERMOWORKS REFERENCE THERMAPEN THERMOMETER

Sensor Type: INTEGRAL 105mm PT100 PENETRATION PROBE

Inst Serial Number: E13342727

Sensor Serial Number: N/A

Calibrated Range/Scale: 0 °F to + 212 °F / 0.01 °F RESOLUTION

Procedure: The Instrument was stabilised at ambient temperature, then calibrated by comparison with two traceable references in stirred liquid baths. Immersion depth 90mm

Results: Test Temperature °F Instrument Reading °F

0.00	- 0.05
32.00	31.97
104.00	103.98
158.00	158.00
212.00	212.01

Uncertainty of Measurement ± 0.04 °F + 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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