

CERTIFICATE OF CALIBRATION

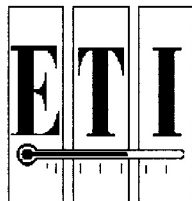
Date Of Issue
4th April 2011

Certificate Number
040411/N12



0601

Certificate Issued By:



Electronic Temperature Instruments Ltd
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Page 1 of 1 pages

Approved Signatory	Signature
J. Carswell	
J. McKernan	
D. Carter	

Customer Name: TRACE MEASUREMENT
Address: 37 HIGH VIEW AVENUE
GRAYS
ESSEX
RM17 6RU

Order Number: 2801

Ref Number: 276/27402

Date Received: 1st April 2011

Date Calibrated: 4th April 2011

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 50mm PT100 PENETRATION PROBE

Inst Serial Number: D11120985 Sensor Serial Number: N/A

Calibrated Range/Scale: - 18 °C to + 40 °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 80mm

Results: Test Temperature °C Instrument Reading °C

-18.00	-17.99
0.00	0.00
15.00	14.99
30.00	29.98
40.00	39.98

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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