CERTIFICATE OF CALIBRATION

ISSUED BY: **M K I S** CALIBRATION COMPANY

DATE OF ISSUE: 10 May 2011

CERTIFICATE NUMBER: 2431

UKAS CALIBRATION

0236

MKIS Calibration Company

STANDARDS LABORATORY

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Signature

Equipment Description:	Digital Thermometer
Manufacturer:	Omega Engineering
Type:	HH 21
Serial Number:	T-97185
Order Number:	17827
Customer:	DJB Labcare Limited
Location:	Newport Pagnell
Date Received:	06 May 2011
Date Calibrated:	09 May 2011

The instrument was kept in the laboratory environment for 2 Days, to allow the instrument to stabilise, prior to the tests being carried out.

The ambient temperature and relative humidity throughout the test was 20°C ± 2°C and 50% ± 20% respectively.

The uncertainties reported refer to the applied values only with no account being taken of the instruments ability to maintain its calibration.

The applied value is millivolts DC derived from BS EN 60584.1 Part 4 1996 Thermocouple Tables.

Remarks: No adjustments were made.

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UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 2431

Applied Value	Equivalent Temperature	Indicated Value
–1.819 mV	–50°C	–49.6°C
–1.121 mV	–30°C	–29.7°C
–0.383 mV	–10°C	–9.8°C
0.000 mV	0°C	–0.1°C
0.391 mV	10°C	9.8°C
1.196 mV	30°C	29.7°C
2.036 mV	50°C	49.7°C
2.909 mV	70°C	69.7°C
3.814 mV	90°C	89.7°C
4.297 mV	100°C	100.2°C
9.288 mV	200°C	199.8°C
14.862 mV	300°C	299.5°C

The maximum uncertainties were:

–20°C to 300°C ± 0.2°C

END

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.