

M K I S



Calibration Company

Milton Keynes Instrumentation Services
10 Potters Lane
Kiln Farm
Milton Keynes
Bucks
MK11 3HE

Tel: 01908 568250
Fax: 01908 564661

CERTIFICATE OF CALIBRATION

CERTIFICATE NO: 40546

DATE OF ISSUE: 15.09.11

Customer:	DJB Labcare Limited	Order Number:	18002
Location:	Milton Keynes	Serial Number:	05001201
Instrument Type:	Omega HH506RA Digital Thermometer	Adjustment Required:	No

All measurements were made using equipment whose values are referenced directly or by approved radiometric procedures to laboratory standards whose values are traceable to National Standards.

The ambient temperature and relative humidity throughout the test was $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and $50\% \pm 10$ respectively.

The calibration was carried out in accordance with the general requirements of BS EN ISO/IEC 17025: 2005.

This is to certify that the above listed instrument meets or exceeds as defined by our established calibration procedures, the published manufacturers specification.

The uncertainties refer to the applied and measured values only with no account taken of the instrument's ability to maintain its calibration.

0 μV to 100 mV $\pm (20 \text{ ppm of value} + 2 \mu\text{V})$

Temperature $\pm 0.2^{\circ}\text{C}$

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

Calibration procedure MKIP 221 was used.

Standard UKAS certificates used are: DC Volts 34092.

The following results were obtained (See results sheet).

Signed:

Uncertainties are for a confidence probability of not less than 95%.

M K I S



Calibration Company

Milton Keynes Instrumentation Services
10 Potters Lane
Kiln Farm
Milton Keynes
Bucks
MK11 3HE

Tel: 01908 568250
Fax: 01908 564661

TEST RESULTS

Certificate No.: 40546
Date of Issue: 15.09.11

Customer : DJB Labcare Limited
Instrument Type: Omega HH 506RA
Serial Number: 05001201

T Type Thermocouple

Applied Value	Equivalent Temperature	Indicated Value	
		T1	T2
-1.819 mV	-50°C	-50.1°C	-50.1°C
-1.121 mV	-30°C	-30.2°C	-30.3°C
-0.383 mV	-10°C	-10.0°C	-10.1°C
0.000 mV	0°C	0.0°C	-0.1°C
0.391 mV	10°C	10.0°C	9.9°C
1.196 mV	30°C	29.8°C	29.8°C
2.036 mV	50°C	49.8°C	49.8°C
2.909 mV	70°C	69.7°C	69.7°C
3.814 mV	90°C	89.7°C	89.7°C
4.297 mV	100°C	99.8°C	99.9°C
9.288 mV	200°C	199.5°C	199.6°C
14.862 mV	300°C	299.5°C	299.5°C

Thermocouples

Applied Values	T1	T2	T3
0°C	-0.1°C	-0.1°C	-0.1°C
37°C	37.0°C	36.9°C	37.0°C
90°C	89.9°C	89.9°C	89.8°C