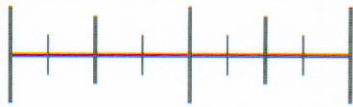


M K I S



Calibration Company

Milton Keynes Instrumentation Services
Unit 4 Furtho Court
Towcester Road
Old Stratford
Milton Keynes
MK19 6AQ

Tel: 01908 568250
Fax: 01908 564661

CERTIFICATE OF CALIBRATION

CERTIFICATE NO: 29554

DATE OF ISSUE: 21.03.06

Customer:	DJB Labcare	Order Number:	15242
Location:	Newport Pagnell	Serial Number:	T12-0539
Instrument Type:	Seaward IT 1000	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 $21^{\circ}\text{C} \pm 2$ and $50\% \pm 20$ 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 being taken of the instruments ability to maintain its calibration.

The maximum uncertainties were:

Resistance	
0.1 Ω to 1.0 Ω	$\pm 0.5\%$
1 M Ω to 20 M Ω	$\pm 0.05\%$
D C Volts	$\pm 0.05\%$
A C Volts	$\pm 1\%$
A C Current	$\pm 1\%$
Watts	$\pm 1\%$

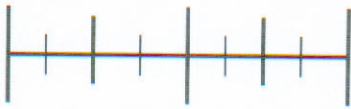
Applicable UKAS certificates : 020162.

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
Unit 4 Furtho Court
Towcester Road
Old Stratford
Milton Keynes
MK19 6AQ

Tel: 01908 568250
Fax: 01908 564661

TEST RESULTS

Certificate No.: 29554
Date of Issue: 21.03.06

Customer : DJB Labcare
Instrument Type: Seaward IT 1000
Serial Number: T12-0539

Earth Bond	Range	Applied Value	Indicated Value	
	0.1 A	0.10 Ω	0.101 Ω	0.09 A
		0.20 Ω	0.203 Ω	
	4 A	0.10 Ω	0.105 Ω	3.8 A
		0.20 Ω	0.204 Ω	
	6 A	0.10 Ω	0.106 Ω	5.5 A
		0.20 Ω	0.201 Ω	
	12 A	0.10 Ω	0.100 Ω	10.5 A
		0.20 Ω	0.206 Ω	
	20 A	0.10 Ω	0.005 Ω	16.7 A
		0.20 Ω	0.207 Ω	
	25 A	0.10 Ω	0.105 Ω	19.4 A
		0.20 Ω	0.206 Ω	
		0.50 Ω	0.485 Ω	
Insulation		2.000 M Ω	2.03 Ω	
		5.000 M Ω	5.05 Ω	
		7.000 M Ω	7.02 Ω	
		10.000 M Ω	10.0 Ω	499 V
Leakage			2.40 mA	2.38 mA