

CERTIFICATE OF CALIBRATION

ISSUED BY SEAWARD ELECTRONIC

DATE OF ISSUE 18 March 2005

CERTIFICATE NUMBER SEA04557R



Bracken Hill
South West Ind. Estate
Peterlee
Co. Durham
SR8 2SW

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CALIBRATED BY

A. TAYLOR

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Requested By:

DJB LABCARE
24 HOWARD WAY
CROMWELL BUSINESS CENTRE
INTERCHANGE PARK
NEWPORT PAGNELL
MK16 9QS

Order Number:

14933

Model:

IT1000

Serial Number:

H40-1677

Seaward Reference:

018030

Date Received:

09/03/05

Calibration Date:

17/03/05

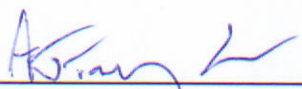
Calibration Category::

D: UNIT REPAIRED PRIOR TO CALIBRATION

The measurements reported in this certificate were carried out using equipment whose measured values are traceable to National Standards, where these exist.

All procedures employed and management controls are in conformance with BS EN ISO9000: 2000

The ambient temperature and relative humidity throughout the calibration were 20 +/-2 degrees and 30-50% RH


Approved Signatory

CALIBRATION RESULTS

Model: IT1000

Serial No: H40-1677

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FUNCTION		ACTUAL	BEFORE	AFTER	LIMITS	
EARTH BOND (OHMS)	0.1A	0.083		0.091	0.073	0.093
		0.332		0.342	0.297	0.367
		1.029		1.08	0.91	1.15
	25A	0.083		0.091	0.073	0.093
		0.332		0.339	0.297	0.367
		4.694		4.70	4.20	5.18
	PT - PT	19.295		19.40	17.33	21.26
		0.083		0.091	0.073	0.093
		4A		0.086	0.073	0.093
	6A	0.083		0.091	0.073	0.093
		12A		0.089	0.073	0.093
		20A		0.091	0.073	0.093
INSULATION (M OHM)		2.197		2.20	2.02	2.37
		8.028		7.91	7.39	8.67
		49.840		47.90	45.85	53.83
INSULATION VOLTS				492		
INSULATION PROBE		2.965		2.98	2.73	3.20
LEAKAGE		0.461		0.45	0.35	0.57
		1.147		1.18	0.97	1.32
		3.333		3.41	2.94	3.73
		5.810		5.95	5.17	6.45
LEAKAGE (CLASS 2)		1.147		1.05	0.97	1.32
POLARITY				PASS		

TEST RIG: TS466

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Uncertainties:

Earth Bond	0.1%
Insulation	0.5%
Flash	0.5%
Load	1.0%
Leakage	0.5%

Comments:

Standards Used:

Transmille 2100 UKAS Certificate No:	05975
Transmille 2050 UKAS Certificate No:	08037
LeCroy 9354L UKAS Certificate No:	73372
HP 8647A UKAS Certificate No:	N6003061E
Seaward DL750 UKAS Certificate No:	108723
Racal 1992 UKAS Certificate No:	74731