

CERTIFICATE OF CALIBRATION



Issued by: RS Components Ltd

Date of Issue: 15 Nov 2005

Certificate No. 524773



Calibration and Repair Service

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Approved signatory

Martyn Goodacre

Client	DJB LABCARE LTD NEWPORT PAGNELL BUCKINGHAMSHIRE MK16 9QS
Instrument	Seaward Pat IT1000 Portable Appliance Tester
Serial No.	V19-0592
Client Reference	N/A
Procedure ID.	216.659 Rev. P3
Date Received	N/A
Date of Calibration	15 Nov 2005
Performance Status	PASS

Equipment Used to Carry Out Calibration	Equipment ID.
Fluke 8842A Digital Multimeter	Cal 031
Pat Test Box	Cal 048
Insulation Test Box	Cal 200
Time 1051 Resistance Box	Cal 699
Fluke 87III Digital Multimeter	Cal 681

The measurements reported in this certificate were carried out using equipment whose values are traceable to national standards.

All procedures employed and results reported are in compliance with the requirements of the International Standard ISO/IEC 17025.

The management controls of the RS Calibration Laboratory are registered under the British Standard BS EN ISO 9001 : 2000 No. RS 00362.

Uncertainties

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%.

This is a new instrument therefore no adjustment was necessary.

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Earth Leakage Test

The Earth Leakage range was calibrated by placing 400 k Ω and 80 k Ω resistors respectively into the circuit and comparing the UUT's displayed value with that of a Digital Multimeter.

Resistance Value	UUT Reading	DMM Reading	Measurement Uncertainty
400 k Ω	0.63 mA	0.61 mA	± 10 μ A
80 k Ω	3.00 mA	3.07 mA	± 10 μ A

Polarity Check

A correctly wired IEC mains lead was connected between the 13A socket and the IEC sockets to test for correct indication.

Result : The UUT correctly indicated a "PASS".

A wire in the IEC lead was then removed.

Result : The UUT correctly indicated a "FAIL".

END OF CALIBRATION

CALIBRATED BY :- MAG

Compliance to Specification

The specification published in the instrument's handbook has been used to determine performance at the measured and tested points and compliance / non-compliance to this specification is reported as Performance Status "PASS / FAIL".