

CERTIFICATE OF CALIBRATION

Issued by: RS Components Ltd

Date Issued: 28 Feb 2018

Certificate No.

1517551



RS Calibration

Calibration and Repair Service

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Ian Phillips

Client	VIAMED LTD KEIGHLEY WEST YORKSHIRE BD20 7DT
Instrument	Seaward Primetest 100 Portable Appliance Tester
Serial No.	Z28-0458
Client Reference	N/A
Procedure ID.	717.3653 Rev. P1
Date of Calibration	28 Feb 2018

Equipment Used to Carry Out Calibration

Transmille 3200 Electrical Test Equipment Calibrator
Transmille IEC Lead

Equipment ID.

Cal 958
Cal 3754

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 17025:2005.

The management controls of the RS Calibration Laboratory are registered under the British Standard BS EN ISO 9001 : 2008 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 certificate reports recorded values for the instrument 'As Received'.



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Environment

The ambient temperature and relative humidity throughout the calibration were (20 ± 2) °C and (40 ± 20) %RH respectively.

Method

Prior to the calibration the instrument was held within the laboratory for a period of not less than 30 minutes. The instrument was calibrated by applying values to the input terminals and recording the displayed values in the tables below.

Function	Range	Applied Value	UT Display	Measurement Uncertainties
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Earth Continuity	20 Ω	0.150 Ω 0.264 Ω 5.046 Ω 10.087 Ω	0.15 Ω 0.26 Ω 5.01 Ω 10.00 Ω	$\pm 0.017 \Omega$ $\pm 0.016 \Omega$ $\pm 0.037 \Omega$ $\pm 0.065 \Omega$
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Insulation Resistance	20 M Ω	2.00 M Ω 7.00 M Ω 10.00 M Ω	2.01 M Ω 7.03 M Ω 9.99 M Ω	$\pm 0.015 M\Omega$ $\pm 0.082 M\Omega$ $\pm 0.116 M\Omega$
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Leakage Current	20 mA	1.990 mA 4.690 mA 7.670 mA	1.92 mA 4.60 mA 7.67 mA	$\pm 0.041 mA$ $\pm 0.085 mA$ $\pm 0.136 mA$
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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.

An IEC mains lead with the fuse removed was connected between the 13A socket and the IEC sockets to test for correct indication.

Result : The UUT correctly indicated a FAIL.

An IEC mains lead with the L and N wires crossed over, was connected between the 13A socket and the IEC sockets to test for correct indication.

Result : The UUT correctly indicated a FAIL.

END OF CALIBRATION

CALIBRATED BY:- IGP

The calibration was completed using the customer's Earth Bond lead