

CERTIFICATE OF CALIBRATION

Certificate No.
1331638



Calibration and Repair Service

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Environment

The ambient temperature and relative humidity throughout the calibration were $(20 \pm 2) ^\circ\text{C}$ and $(50 \pm 20) \% \text{RH}$ 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	UUT Display	Measurement Uncertainties
<u>Earth Continuity</u>	20 Ω	0.151 Ω	0.15 Ω	$\pm 0.017 \Omega$
		0.264 Ω	0.26 Ω	$\pm 0.016 \Omega$
		5.120 Ω	5.09 Ω	$\pm 0.038 \Omega$
		10.048 Ω	9.93 Ω	$\pm 0.065 \Omega$
<u>Insulation Resistance</u> <u>500 V</u>	20 M Ω	2.00 M Ω	2.01 M Ω	$\pm 0.015 \text{ M}\Omega$
		7.00 M Ω	7.04 M Ω	$\pm 0.082 \text{ M}\Omega$
		10.00 M Ω	9.97 M Ω	$\pm 0.116 \text{ M}\Omega$
<u>Leakage Current</u>	20 mA	1.990 mA	1.92 mA	$\pm 0.041 \text{ mA}$
		4.680 mA	4.60 mA	$\pm 0.085 \text{ mA}$
		7.660 mA	7.67 mA	$\pm 0.136 \text{ mA}$

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