

CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd.

Certificate Number 34759

Date of Issue 14 November 2017



0324



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Page 1 of 2 Pages

Approved Signatory

G.A. Shapland M.A. Bailey S.A. Hawkins J.J. Bailey

Customer : SIGNATROL LTD
UNIT E2, GREEN LANE BUSINESS PARK
TEWKESBURY GLOUCESTERSHIRE. GL20 8SJ

Date Received : 08 November 2017

Instrument :	System ID :	T00008046	Job Number :	67562-3
	Description :	Portable Appliance Tester	Ref. Number :	CE1038
	Manufacturer :	SEAWARD	Site :	
	Model Number :	PAT 500H	Location :	
	Serial Number :	J14-0541	Last Calibration Certificate :	32271
	Procedure Version :	3.00/N	Last Calibration Date :	15/11/2016

Environmental Conditions

Temperature : 20°C +/- 1°C
Relative Humidity : 40% +/- 20%

Mains Voltage : 230V +/- 12V
Mains Frequency : 50Hz +/- 1Hz

Comments

Instrument was allowed to stabilise for at least 12 hours before calibration.
Instrument was calibrated with Earth Bond Lead Supplied.

Calibration Information

The instrument was calibrated against laboratory standards whose values are traceable to recognised National Standards. The uncertainty limits quoted refer to the measured values only, with no account being taken of the instruments ability to maintain its calibration.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrated By : M. Nelson

Date of Calibration : 14 November 2017

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UKAS Accredited Calibration Laboratory No. 0324
AS FOUND RESULTS

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Page 2 of 2 Pages

Test Title	Applied Value	Reading	Uncertainties
General Operation Tests			
Controls & Display	---	Pass	
+Ve Earth Bond Range			
Current into 0.1 Ω	200mA	225mA	± 2.1 mA
Linearity	0.378 Ω	0.372 Ω	± 14 m Ω
Linearity	0.543 Ω	0.539 Ω	± 14 m Ω
Linearity	1.040 Ω	1.017 Ω	± 16 m Ω
Insulation Resistance			
1M Ω	1.00M Ω	1.00M Ω	± 21 k Ω
7M Ω	7.00M Ω	6.99M Ω	± 84 k Ω
9M Ω	9.00M Ω	8.99M Ω	± 110 k Ω
15M Ω	15.00M Ω	14.96M Ω	± 170 k Ω
19M Ω	19.00M Ω	19.04M Ω	± 220 k Ω
Leakage Current			
2mA	2.00mA	1.94mA	± 0.02 mA

End of results