CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd.

Certificate Number 37487

Date of Issue 28 November 2018





Transmille Ltd. **Unit 4, Select Business Centre** Lodge Road Staplehurst, Kent. TN12 0QW. TEL 01580 890700 FAX 01580 890711

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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: 27 November 2018

Instrument:

System ID:

Description:

T00008046 Portable Appliance Tester

SEAWARD

Manufacturer: Model Number:

Serial Number:

Procedure Version:

PAT 500H J14-0541

3.00/N

Job Number:

Ref. Number:

Site: Location:

Last Calibration Certificate: 34759

Last Calibration Date:

14/11/2017

70842-4

CE1038

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: 28 November 2018

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0324

AS FOUND RESULTS

Certificate Number 37487

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Test Title	Applied Value	Reading	Uncertainties
General Operation Tests Controls & Display		Pass	
+Ve Earth Bond Range Current into 0.1Ω Linearity Linearity Linearity	200mA 0.399 Ω 0.538 Ω 1.015 Ω	226mA 0.403Ω 0.541Ω 1.005Ω	± 2.1 mA ± 14 m Ω ± 14 m Ω ± 16 m Ω
Insulation Resistance $1M\Omega$ $7M\Omega$ $9M\Omega$ $15M\Omega$	$1.00 M_{\Omega}$ $7.00 M_{\Omega}$ $9.00 M_{\Omega}$ $15.00 M_{\Omega}$ $19.00 M_{\Omega}$	$1.00 M_{\Omega}$ $7.02 M_{\Omega}$ $9.03 M_{\Omega}$ $15.04 M_{\Omega}$ $19.05 M_{\Omega}$	$\pm 21 k\Omega$ $\pm 84 k\Omega$ $\pm 110 k\Omega$ $\pm 170 k\Omega$ $\pm 220 k\Omega$
Leakage Current 2mA	2.00mA	1.94mA	±0.02mA

End of results

Instrument Service Log SIGNATROL LTD, UNIT E2, GREEN LANE BUSINESS PARK, TEWKESBURY, GLOUCESTERSHIRE GL20 8SJ



Instrument Description

portable

appliance tester

Model Number

PAT 500H

Serial Number

J14-0541

System ID

Reference Number

T00008046 CE1038

Used By / Location

Date Acquired

Instrument Cost

Calibration Interval

52 weeks

Date	Details	Calibration
15/11/2016	Calibration Only; UKAS Calibration; Certificate number : 32271 Parts Used : NONE	by M. Nelson
	Customer Order No. : 45244; Job No. : 63273-1	=
	Instrument in good condition.	
	All tests passed UKAS calibration.	
14/11/2017	Calibration Only; UKAS Calibration; Certificate number : 34759 Parts Used : NONE	by M. Nelson
	Customer Order No.: 45466; Job No.: 67562-3 Instrument in good condition. All tests passed UKAS calibration.	
28/11/2018	Calibration Only; UKAS Calibration; Certificate number : 37487 Parts Used : NONE	by M. Nelson
		,
	Customer Order No. : 45684; Job No. : 70842-4	
	Instrument in good condition.	
	All tests passed UKAS calibration.	ı

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