CERTIFICATE OF CALIBRATION

Issued By Test-Meter.co.uk - a division of PAT Training Services Ltd.

Date of Issue 27 January 2017

Certificate Number
STD9406

Test-Meter.co.uk
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Town End Close
Leeds
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Approved Signatory

☐ B. Fielden ☐ S. Jackson ☑ K. Turnbull ☐ C. Fox

Customer : Xav Broadcast Ltd
30 Gairn Close, Tilehurst
READING RG30 4DY

Date Received :

Instrument -

System ID :	ID8474
Description :	PAT Tester
Manufacturer :	Kewtech
Model Number :	KT71
Serial Number :	W8256134
Procedure Version :	1.10

Job Number : 1701813

Environmental Conditions

Temperature :	20°C +/- 2°C	Mains Voltage :	230V +/- 10V
Relative Humidity :	50% +/- 20%	Mains Frequency :	50Hz +/- 1Hz

Comments

Tests conducted using UKAS traceable calibration equipment
Instrument tested for calibration across all ranges
Results were found to be within manufacturer's specification
Procedure written to manufacturer's specification

Traceability Information

Instrument description	*Serial number*	*Certificate number*	*Cal. Date*	*Cal. Period*
3200B Electrical Test Calibrator (STD)	M1403A16	30143	30/01/2016	52

Calibrated By : Kieran Turnbull **Date of Calibration :** 27 January 2017

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Test Title	Tolerance	Applied Value	Reading	Pass/Fail
General Operation Tests				
Test Buttons/Display	---	---	Pass	
200mA Earth Bond Test				
0.10Ω @ 200mA	53mΩ	0.17Ω	0.16Ω	Pass
0.25Ω @ 200mA	57.5mΩ	0.28Ω	0.26Ω	Pass
0.50Ω @ 200mA	65mΩ	0.54Ω	0.53Ω	Pass
1.00Ω @ 200mA	80mΩ	1.03Ω	1.00Ω	Pass
20A Earth Bond Test				
0.10Ω @ 20A	53mΩ	0.17Ω	0.15Ω	Pass
0.25Ω @ 20A	57.5mΩ	0.28Ω	0.25Ω	Pass
0.50Ω @ 20A	65mΩ	0.54Ω	0.52Ω	Pass
1.00Ω @ 20A	80mΩ	1.03Ω	1.01Ω	Pass
250V Insulation Test				
1MΩ	50kΩ	1.00MΩ	1.01MΩ	Pass
2MΩ	70kΩ	2.00MΩ	2.02MΩ	Pass
5MΩ	130kΩ	5.00MΩ	5.10MΩ	Pass
10MΩ	230kΩ	10.00MΩ	9.85MΩ	Pass
500V Insulation Test				
1MΩ	50kΩ	1.00MΩ	1.00MΩ	Pass
2MΩ	70kΩ	2.00MΩ	1.99MΩ	Pass
5MΩ	130kΩ	5.00MΩ	4.89MΩ	Pass
10MΩ	230kΩ	10.00MΩ	9.94MΩ	Pass
Leakage Current				
2.00mA	110uA	2.06mA	2.14mA	Pass
4.70mA	191uA	4.95mA	5.05mA	Pass
7.70mA	281uA	8.30mA	8.37mA	Pass
IEC Lead Test				
IEC Lead Test	---	---	Pass	

End of results

Uncertainties

A.C. Voltage	0 to 1000V: 0.01% ± 1digit
Earth Bond Ohms	0.5% + 4mohms
Insulation Voltage	1% ± 800mV
PAT Leakage	1.5% + 0.3mA
Load Current	0.1% ± 1Digit