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Portable Appliance Testing 25/11/2018

The health and safety executive has set regulations governing the safety of electrical appliances in the workplace.

- Health and safety at work act 1974
- Supply of machinery (safety) regulation 1992
- The electricity at work regulation 1989
- The provision of use and work equipment regulation 1998
- The management of health and safety at work regulation 1999

To comply with health and safety regulations and to satisfy the needs of our public liability insurance Happy Sounds Mobile Disco has undertaken Portable Appliance Testing on all electrical appliances, cords and cables in accordance with the 4th Edition IET Code of Practice and City & Guilds 2377.

Visual inspection and electrical safety check of:

- Class I appliances
- Class II appliances
- Class III appliances (Visual inspection only)
- IEC power cords
- Mains extension leads

Notes:

Protective Earth insulation resistance (Rpe) is dependant on the Cross Sectional Area (CSA) and length of the conductor. Long cable lengths may produce a higher Rpe reading that some automated PAT equipment will interoperate as a failure. The user should refer to IET code of practise Page 134 for maximum permissible values per meter of cable.

Extension leads containing surge protection circuits are likely to fail the leakage current test when tested at 500v. This is not a fault. The surge protection circuit is designed as such. If testing at 250v cannot be performed the operator should ignore the protective earth resistance test.

The detailed asset and test data report follows this summary.

Date of testing: 23/11/2018 - 25/11/2018

Test equipment: Seward Primetest-100 – S/N 18K-0065

Tester: Dave Jones

Assets Tested: 142

Assets Passed: 137

Assets Failed: 5

Failed Assets:

Asset Number	Description	Observation / Failure parameter
0200	1.1m IEC Cable	Insufficient protective earth resistance
0202	2m 4gang extension cable	Short on L/N
0203	2.0m IEC Cable	Insufficient protective earth resistance
0204	1.1m IEC Cable	Insufficient protective earth resistance
0205	HP laptop charger.	Exposed conductor on cloverleaf lead

Actions taken:

The identified faults have been deemed unsafe and are of an irreparable nature.

The assets have been removed from service and marked unsafe.

The unsafe assets have been safely disposed of in accordance with the WEEE regulation 2013.

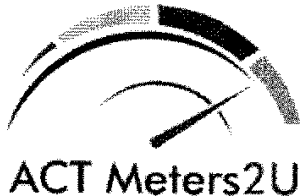
CERTIFICATE OF CALIBRATION

Issued By Associated Calibration & Training Ltd

Date of Issue 22 November 2018

Certificate Number
ACT17059

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Tel: 01782 827018

A J Corbishley
Approved Signatory

A. Dunn A. J Corbishley G. Spilkov D. Grace P.G Casey

Customer : Da Jones
4 Lime Grove, Oswestry
Shropshire SY11 2QE

Date Received : 22 November 2018

Instrument -	System ID :	ID17643	Job Number :	57578-1
	Description :	Portable Appliance Tester		
	Manufacturer :	Seaward	Site :	
	Model Number :	PT100	Location :	
	Serial Number :	18K-0065		
	Procedure Version :	49 1.12		

Environmental Conditions

Temperature :	21°C +/- 3°C	Mains Voltage :	240V +/- 10V
Relative Humidity :	50% +/- 15%	Mains Frequency :	50Hz +/- 1Hz

Comments

The Instrument was allowed to stabilise before calibration.
The Instrument was provided new.

Traceability Information

Instrument description	Serial number	Certificate number	Cal. Date	Cal. Period
3200A Electrical Test Calibrator (HI)	M1405B16	35531 UKAS	14/03/2018	52

Calibrated By : A. J Corbishley

Date of Calibration : 22 November 2018

This certificate provides traceability of measurement to recognised National Standards, and to the units of measurement realised at the National Physical Laboratory or other recognised National Standards laboratories.
Copyright of this certificate is owned by the issuing laboratory and may not be reproduced except with the prior written approval of the issuing laboratory.
This certificate complies with the requirements of BS EN ISO 10012:2003.

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Test Title	Tolerance	Applied Value	Reading	Pass/Fail
General Operation Tests				
Controls & Display	---	---	Pass	
Class One				
Test 1				
Linearity	22.5mΩ	0.10Ω	0.11Ω	Pass
1MΩ	70kΩ	1.00MΩ	0.99MΩ	Pass
0.23mA	43uA	0.230mA	0.230mA	Pass
Test 2				
Linearity	27.5mΩ	0.17Ω	0.18Ω	Pass
2MΩ	120kΩ	2.00MΩ	1.99MΩ	Pass
0.12mA	32uA	0.120mA	0.120mA	Pass
Test 3				
Linearity	48mΩ	0.54Ω	0.56Ω	Pass
5MΩ	270kΩ	5.00MΩ	5.01MΩ	Pass
Class Two				
Test 1				
2MΩ	120kΩ	2.00MΩ	2.00MΩ	Pass
0.12mA	32uA	0.120mA	0.120mA	Pass
Test 2				
10MΩ	520kΩ	10.00MΩ	10.01MΩ	Pass
Extension Lead Test				
Polarity Test	---	---	Pass	

End of results

Uncertainties

Bond Current	0 to 30 Amps: 1.5% + 6counts.
Earth Bond Ohms	0.5% + 4mohms
Insulation Ohms	10kohms to 5Mohms: 0.1%, 5Mohms to 10Gohms: 1% +/- 1 Digit.
PAT Leakage	1.5% + 0.3mA