

# CERTIFICATE OF CALIBRATION

Issued By Associated Calibration & Training Ltd

Date of Issue 01 June 2018

Certificate Number

ACT13532

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*J.A. Wright*  
Approved Signatory

J.A Wright     D. Grace     D.R Zyg     P.G Casey     C.M Byrne

Customer : Edinburgh Hacklab Ltd  
1 Summrhall, Edinburgh  
Midlothian EH9 1PL

Date Received : 01 June 2018

<b>Instrument -</b>	System ID :	ID17628	Job Number :	C37323-1
	Description :	Portable Appliance Tester		
	Manufacturer :	Seaward	Site :	
	Model Number :	PT100	Location :	
	Serial Number :	08K-0742		
	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.

## Traceability Information

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

Calibrated By : J.A Wright

Date of Calibration : 01 June 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.

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Test Title	Tolerance	Applied Value	Reading	Pass/Fail
<b>General Operation Tests</b>				
Controls & Display	---	---	Pass	
<b>Class One</b>				
<b>Test 1</b>				
Linearity	22.5m $\Omega$	0.10 $\Omega$	0.09 $\Omega$	Pass
1M $\Omega$	70k $\Omega$	1.00M $\Omega$	0.99M $\Omega$	Pass
0.23mA	43uA	0.230mA	0.230mA	Pass
<b>Test 2</b>				
Linearity	27.5m $\Omega$	0.17 $\Omega$	0.16 $\Omega$	Pass
2M $\Omega$	120k $\Omega$	2.00M $\Omega$	1.99M $\Omega$	Pass
0.12mA	32uA	0.120mA	0.120mA	Pass
<b>Test 3</b>				
Linearity	48m $\Omega$	0.54 $\Omega$	0.53 $\Omega$	Pass
5M $\Omega$	270k $\Omega$	5.00M $\Omega$	5.00M $\Omega$	Pass
<b>Class Two</b>				
<b>Test 1</b>				
2M $\Omega$	120k $\Omega$	2.00M $\Omega$	1.99M $\Omega$	Pass
0.12mA	32uA	0.120mA	0.120mA	Pass
<b>Test 2</b>				
10M $\Omega$	520k $\Omega$	10.00M $\Omega$	9.99M $\Omega$	Pass
<b>Extension Lead Test</b>				
Polarity Test	---	---	Pass	
<b>End of results</b>				

## 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