

CERTIFICATE OF CALIBRATION

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Date of Issue 05 September 2022

Certificate Number
STD182973

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Approved Signatory

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Customer : William Richardson
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Date Received : 05 September 2022

Instrument -	System ID :	ID325209	Job Number :	J243187-1
	Description :	PAT Tester	Site :	
	Manufacturer :	Uni-Trend Group Ltd	Location :	
	Model Number :	UT528		
	Serial Number :	821003398		
	Procedure Version :	1.04.21.V [V]		

Environmental Conditions

Temperature :	20°C +/- 3°C	Mains Voltage :	240V +/- 10V
Relative Humidity :	50% +/- 20%	Mains Frequency :	50Hz +/- 1Hz

Comments

Specification reference: UNI-T (UT528) Instruction Manual.
Instrument was placed in lab and allowed to stabilise before calibration.
Instrument calibrated with in house test leads.

Traceability Information

Instrument description	Serial number	Certificate number	Cal. Date	Cal. Period
3200B Electrical Test Calibrator	M1433L16	01939	19/04/2022	52

Calibrated By : D.Mcilroy

Date of Calibration : 05 September 2022

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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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				
Display & Control	---	---	Pass	
Continuity Resistance Class I				
0Ω	20mΩ	0.049Ω	0.05Ω	Pass
1Ω	70mΩ	1.013Ω	1.02Ω	Pass
10Ω	520mΩ	9.067Ω	9.11Ω	Pass
Insulation Resistance @ 500V Class II				
1MΩ	70kΩ	1.00MΩ	1.01MΩ	Pass
12MΩ	620kΩ	12.00MΩ	11.91MΩ	Pass
19MΩ	970kΩ	19.00MΩ	18.98MΩ	Pass
Sub Leakage Class I				
0.95mA @ 240kΩ	67.5uA	0.95mA	0.94mA	Pass
Sub Leakage Class II				
0.19mA @ 1.2MΩ	29.5uA	0.19mA	0.19mA	Pass
0.95mA @ 240kΩ	67.5uA	0.95mA	0.95mA	Pass
IEC Lead Test				
IEC Lead Fail	---	---	Pass	
IEC Lead Pass	---	---	Pass	

***** End of results *****

Uncertainties

Continuity Ohms 20mR ± 30mR; 1R ± 32mR; 10R ± .12R; 100R ± 1.2R; 1kR ± 12R ±1 LSD
Insulation Ohms 0.1MR ± 0.35kR; 1MR ± 3.5kR; 10MR ± 0.35MR; 100MR ± 3.5MR; 1GR ± 36MR ±1 LSD