

CERTIFICATE OF CALIBRATION

Issued By: PASS Ltd - www.calibrate.co.uk

Certificate Number: STD237741

Date of Issue: 31 Jul 2024

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Signatory

A handwritten signature in black ink, appearing to read "J.T. Maidens".

Jed Maidens

Customer: That Event Company LTD
Unit 7 North Weston Farm

Thame, OXFORDSHIRE
OX9 2HA

Date Received: 30 Jul 2024

Instrument:	System ID :	ID353043	Job Number :	J324528-1
	Description :	Multifunction Tester	Ref. Number :	
	Manufacturer :	Megger		
	Model Number :	MFT1741+		
	Serial Number :	102330613		
	Procedure :	4467 : 1.1.19		

Environmental Conditions:

Temperature :	20 °C ± 3 °C	Mains Voltage :	240 V ± 10 V
Relative Humidity :	50 %rh ± 20 %rh	Mains Frequency :	50 Hz ± 1 Hz

Comments: Specification reference: Megger (MFT1741_DS_en_V01) Instruction Manual.
Instrument was placed in lab and allowed to stabilise before calibration.
Instrument calibrated with supplied test leads.

Traceability Information

Instrument Description	Serial Number	Certificate Number	Cal. Date	Cal. Period
3200A Electrical Test Calibrator	M1266B12	04070	02/05/2024	52

Calibrated By: L.Dunn

Date of Calibration: 31 Jul 2024

This certificate provides traceability of measurement to recognised National Standards, and to the units of measurements 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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AS FOUND RESULTS

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Test Title	Tolerance	Applied Value	Reading	Pass/Fail
General Operation Tests				
Controls & Display	---	---	Pass	Pass
Bar Display	---	---	Pass	Pass
Continuity Resistance				
0.5 Ω	30 m Ω	0.50 Ω	0.49 Ω	Pass
1 Ω	40 m Ω	1.00 Ω	1.00 Ω	Pass
10 Ω	400 m Ω	10.00 Ω	9.97 Ω	Pass
100 Ω	5.2 Ω	100.0 Ω	100.0 Ω	Pass
1.00 k Ω	70 Ω	1.00 k Ω	1.00 k Ω	Pass
Continuity Current @ 1Ω				
200 mA Test Current	15 mA	205.0 mA	217.5 mA	Pass
100V Insulation Range				
100 V Test @ 1 mA	20 V	100.0 V	110.2 V	Pass
1 M Ω	50 k Ω	1.00 M Ω	0.99 M Ω	Pass
9 M Ω	290 k Ω	9.00 M Ω	8.97 M Ω	Pass
20 M Ω	800 k Ω	20.0 M Ω	20.0 M Ω	Pass
180 M Ω	22 M Ω	180 M Ω	178 M Ω	Pass
250V Insulation Range				
250 V Test @ 1 mA	50 V	250.0 V	269.1 V	Pass
1 M Ω	50 k Ω	1.00 M Ω	1.00 M Ω	Pass
9 M Ω	290 k Ω	9.00 M Ω	8.96 M Ω	Pass
20 M Ω	800 k Ω	20.0 M Ω	20.1 M Ω	Pass
290 M Ω	33 M Ω	290 M Ω	289 M Ω	Pass
500V Insulation Range				
500 V Test @ 1 mA	100 V	500.0 V	543.9 V	Pass
1 M Ω	50 k Ω	1.00 M Ω	1.00 M Ω	Pass
9 M Ω	290 k Ω	9.00 M Ω	8.95 M Ω	Pass
20 M Ω	800 k Ω	20.0 M Ω	20.0 M Ω	Pass
290 M Ω	10.7 M Ω	290 M Ω	289 M Ω	Pass
590 M Ω	63 M Ω	590 M Ω	588 M Ω	Pass
1kV Insulation Range				
1 kV Test @ 1 mA	200 V	1000.0 V	1028.2 V	Pass
1 M Ω	50 k Ω	1.00 M Ω	1.02 M Ω	Pass
9 M Ω	290 k Ω	9.00 M Ω	8.98 M Ω	Pass
20 M Ω	800 k Ω	20.0 M Ω	20.0 M Ω	Pass
290 M Ω	10.7 M Ω	290 M Ω	290 M Ω	Pass
590 M Ω	19.7 M Ω	590 M Ω	593 M Ω	Pass

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Test Title	Tolerance	Applied Value	Reading	Pass/Fail
Voltage Tests				
	10.2 V	240 V	240 V	Pass
	15.2 V	405 V	405 V	Pass
Loop Test 25A Range				
0.5 Ω	80.7 m Ω	0.61 Ω	0.59 Ω	Pass
1 Ω	105.8 m Ω	1.12 Ω	1.07 Ω	Pass
5 Ω	331.7 m Ω	5.63 Ω	5.64 Ω	Pass
10 Ω	1 Ω	10.6 Ω	10.6 Ω	Pass
100 Ω	15 Ω	100 Ω	103 Ω	Pass
1000 Ω	102.7 Ω	977 Ω	986 Ω	Pass
Loop Test No Trip Range				
0.5 Ω	80.7 m Ω	0.61 Ω	0.60 Ω	Pass
1 Ω	105.8 m Ω	1.12 Ω	1.11 Ω	Pass
10 Ω	1 Ω	10.6 Ω	10.5 Ω	Pass
Trip Current @ 200ms				
10 mA	1 mA	10 mA	10.77 mA	Pass
30 mA	3 mA	30 mA	32.06 mA	Pass
100 mA	10 mA	100 mA	105.28 mA	Pass
300 mA	30 mA	300 mA	319.28 mA	Pass
500 mA	50 mA	500 mA	527.04 mA	Pass
I Multiplier @ 200ms				
30 mA @ 5 I	15 mA	150.00 mA	159.46 mA	Pass
Trip Time				
30 ms @ 30 mA	1.3 ms	30.0 ms	30.5 ms	Pass
90 ms @ 30 mA	1.9 ms	90.0 ms	90.5 ms	Pass
290 ms @ 30 mA	3.9 ms	290 ms	290 ms	Pass
Earth Resistance 3P				
1 Ω	50 m Ω	1.00 Ω	0.99 Ω	Pass
10 Ω	230 m Ω	10.00 Ω	9.91 Ω	Pass
100 Ω	2.3 Ω	100.0 Ω	99.6 Ω	Pass
1000 Ω	50 Ω	1.00 k Ω	1.01 k Ω	Pass

**** END OF RESULTS ****

Uncertainties

Loop Impedance 1 Ω \pm 8.6 m Ω ; 10 Ω \pm 30 m Ω ; 100 Ω \pm 0.57 Ω ; 1 k Ω \pm 5.8 Ω \pm 1 LSD

Continuity Ohms 20 m Ω \pm 30 m Ω ; 1 Ω \pm 32 m Ω ; 10 Ω \pm .12 Ω ; 100 Ω \pm 1.2 Ω ; 1 k Ω \pm 12 Ω \pm 1 LSD

Continuity Current 100 mA \pm 1.7 mA; 200 mA \pm 3.1 mA; 300 mA \pm 4.6 mA \pm 1 LSD

Insulation Ohms 0.1 M Ω \pm 0.35 k Ω ; 1 M Ω \pm 3.5 k Ω ; 10 M Ω \pm 0.35 M Ω ; 100 M Ω \pm 3.5 M Ω ; 1 G Ω \pm 36 M Ω \pm 1 LSD

Insulation Voltage 100 V \pm 1.5 V; 150 V \pm 2.1 V; 250 V \pm 3.1 V; 500 V \pm 5.9 V; 1000 V \pm 12 V \pm 1 LSD

RCD Current 10 mA \pm 0.62 mA; 30 mA \pm 1.8 mA; 100 mA \pm 5.8 mA; 300 mA \pm 18 mA; 1 A \pm 58 mA \pm 1 LSD

RCD Time 20 to 390 ms \pm 0.95 ms; 900 ms \pm 8.1 ms

Mains Voltage 200 V to 260 V \pm 2.4 V \pm 1 LSD