

Title: Calibration Of Megger WM4/3 And Series 3 Insulation And Continuity Tester

Scope Work Instruction for the internal calibration of Megger WM4/3 and Series 3 Insulation and Continuity Tester. To be used in the absence of a manufacturers calibration instruction

Preparation

Calibration must be carried out using Category A Master instruments as required.

Equipment required:

1. 45° instrument balance stand.
2. Keithley Digital Multimeter Model 136 with Resistor.
3. Megadek High Resistance Box.
4. J J Instruments Decade Resistance Box.

Method

1.1.1 All calibration results must be entered on the results sheets (see appendix A)

1.1.2 Note the lab temperature and R.H. and enter on results sheet.

1.1.3 Carry out test 1 using item 1.1.1.

1.1.4 Carry out test 2 using item 1.1.2.

1.1.5 Carry out test 3 to 9 using item 1.1.3.

1.1.6 Carry out tests 10 to 16 using item 1.1.4.

1.1.7 Complete results sheet header and enter Pass / Fail.

- All records must be kept for audit purposes

References

Appendix A Calibration Results for Megger WM4/3 and Series 3 Insulation and Continuity Tester

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Appendix A

Calibration Results for Megger WM4/3 and Series 3 Insulation and Continuity Tester

Model Serial No

Date Result

Lab Temp / RH Operator

User Location Certificate No

Accuracies quoted are from manufacturer's specifications or relevant British Standard

Movement Check

Test 1 Instrument balance: Does the pointer remain within the marked scale, instrument at 450 all planes?

Pass / Fail

D.C. Output Voltage

Test No	Specified Output Voltage	Specified Accuracy	Matching Test Resistor	UUT Output Volts	Result
2	500	±50v	1 Mohm		Pass / Fail

Insulation Range

Test No	Resistor Value	Specified Accuracy	Result
3	Zero	± 0.9 mm	Pass / Fail
4	10k	± 0.9 mm	Pass / Fail
5	100k	± 0.9 mm	Pass / Fail
6	1M	± 0.9 mm	Pass / Fail
7	10M	± 0.9 mm	Pass / Fail
8	100M	± 0.9 mm	Pass / Fail
9	INF	± 0.9 mm	Pass / Fail