Title: Calibration Of Robin Digital RCD Tester

Scope

Work Instruction for the internal calibration of Robin digital RCD testers. 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.

Method

See appendix A

- All records must be kept for audit purposes

References

Appendix A Calibration Results for Robin Digital RCD Testers

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Appendix A

Calibration Results for Robin Digital RCD Tester

Model ……Serial No ……..

Date ……..Result ……

Lab Temp / RH ……Operator ……

User Location ……Certificate No ……

All tests are carried out to the manufacturer's specification or relevant British Standard.

Neon Indicators

Test 1 L – N Pass / Fail

Test 2 L – E Pass / Fail

Current Calibration – Accuracy ± 3% at 240V

Test	UUT Setting	Multiplier	Current mA	Supply Voltage	Calculated Resistance	Allowed Limits	Result
3	500	x 1				466 – 494	Pass / Fail
4	300	x 1				776 – 824	Pass / Fail
5	100	x 1				2k33 – 2k47	Pass / Fail
6	30	x 1				7k76 – 8k24	Pass / Fail
7	20	x 1				11k64 – 12k36	Pass / Fail
8	10	x 1				23k3 – 24k7	Pass / Fail
9	500	x ½				957 – 963	Pass / Fail
10	300	x ½				1k55 – 1k65	Pass / Fail
11	100	x ½				4k66 – 4k94	Pass / Fail
12	30	x ½				15k5 – 16k5	Pass / Fail
13	20	x ½				23k3 – 24k7	Pass / Fail
14	10	x ½				46k6 – 49k4	Pass / Fail
15	100	x 5				466 – 494	Pass / Fail
16	30	x 5				1k55 – 1k65	Pass / Fail
17	20	x 5				2k33 – 2k47	Pass / Fail
18	10	x 5				4k66 – 4k94	Pass / Fail

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