

Title: Calibration Of Temperature Test Sets

Scope Work Instruction for the internal calibration of Temperature Test Sets.
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;-

- 1.1 Fluke 8842A Multimeter.

Method

- 2.1 All calibration results must be entered on the results sheets (see appendix A).
- 2.2 Note the lab. temperature / R.H. and enter onto the results sheet.
- 2.3 Carry out tests 1 to 4 using the item listed in 1.1.
- 2.4 Complete the results sheet header and enter Pass / Fail.

- All records must be kept for audit purposes

References

Appendix A Calibration Results for Temperature Test Sets

Title: Calibration Of Temperature Test Sets

Appendix A

Calibration Results for Temperature Test Set

Model Serial No

Date Result

Lab Temp / RH Operator

User Location Certificate No

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

Test No	UUT Setting °C	UUT Output (kohms)	Allowed Limits	Result
1	0		29.195 to 29.784	Pass / Fail
2	5		23.225 to 23.694	Pass / Fail
3	10		18.602 to 18.977	Pass / Fail
4	20		12.1374 to 12.3826	Pass / Fail

The UUT was calibrated using the following equipment:

1. Fluke 8842A Multimeter S/N

The uncertainty in the applied value is estimated not to exceed:

Resistance: $\pm 0.026\%$

The uncertainty limits quoted refer to the applied values only and do not relate to the stability of the UUT.