

Title: Calibration Of Eurotherm Millivolt Source

Scope Work Instruction for the internal calibration of an Eurotherm Millivolt Source. 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:

- Solartron Model 7065 Microprocessor Voltmeter.

Method

- 1.1 All calibration results must be entered on the results sheets (see appendix A).
- 1.2 Note the lab. temperature / R.H. and enter onto the results sheet.
- 1.3 Switch on the UUT and allow to stabilise for 15 minutes before calibration.
- 1.4 Carry out tests 1 to 11 using Solartron Microprocessor Voltmeter.
- 1.5 Complete the results sheet header and enter Pass / Fail.

- All records must be kept for audit purposes

References

Appendix A Calibration Results for Eurotherm Millivolt Source

Title: Calibration Of Eurotherm Millivolt Source

Appendix A

Calibration Results for Eurotherm Millivolt Source

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	UUT Setting mV	Actual Output mV	Allowed Limits	Result
1	01.000		0.970 to 1.030	Pass / Fail
2	10.000		9.970 to 10.030	Pass / Fail
3	11.111		11.081 to 11.141	Pass / Fail
4	22.222		22.192 to 22.252	Pass / Fail
5	33.333		33.303 to 33.363	Pass / Fail
6	44.444		44.414 to 44.474	Pass / Fail
7	55.555		55.525 to 55.585	Pass / Fail
8	56.666		56.636 to 56.696	Pass / Fail
9	57.777		57.747 to 57.807	Pass / Fail
10	58.888		58.858 to 58.918	Pass / Fail
11	59.999		59.969 to 60.029	Pass / Fail

The UUT was calibrated using the following equipment:

1. Solartron Model 7065 Microprocessor Voltmeter S/N

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

D.C. Millivolts: $\pm 0.4\%$

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