Title: Calibration Of Ferranti Panel Mounted Meter 0 – 100ma, 50Hz

Scope

Work Instruction for the internal calibration of Ferranti Panel Mounted Meter 0 – 100mA, 50 Hz. 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 Datron 9100 Calibrator.

Method

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

2.2 Note the lab temp / relative humidity and enter on calibration results sheet.

2.3 Carry out tests 1 and 2.

2.4 Carry out tests 3 to 7 using item 1.1.

2.5 Complete the results sheet header and enter Pass / Fail.

- All records must be kept for audit purposes

References

Appendix A Calibration Results for Ferranti Panel Mounted Meter 0 – 100mA, 50 Hz

Documents
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Appendix A

Calibration Results for Ferranti Panel Mounted Meter 0 – 100mA, 50 Hz

Model ……Serial No ……..

Date ……..Result ……

Lab Temp / RH ……Operator ……

User Location ……Certificate No ……

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

Test 1 Is the pointer on zero? Pass / Fail

Test 2 Does the pointer remain within ± $^{1}/_{16}$ " at $45^{0?}$ Pass / Fail

Calibration at 50Hz Accuracy ± 1.5% FSD

Test No	UUT Reading mA	Calibrator Reading	Allowed Limits	Results
3	5		3.5 to 6.5	Pass / Fail
4	10		8.5 to 11.5	Pass / Fail
5	15		13.5 to 16.5	Pass / Fail
6	40		38.5 to 41.5	Pass / Fail
7	100		98.5 to 101.5	Pass / Fail

The UUT was calibrated using the following equipment:
1. Datron 9100 Calibrator S/N _____

The uncertainty of measurement is estimated not to exceed:
A.C. Current: ± 0.12%

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

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