

Title: Calibration Of OHLE Structure To Rail Bond Tester

Scope Work Instruction for the internal calibration of OHLE structure to rail bond testers

Preparation

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

Equipment required;-

1. Decade Resistance Box

Method

1. Note the lab temperature and R.H. and enter on results sheet. (Appendix A).
2. Check the batteries are in good condition – replace if necessary.
3. Carry out preliminary checks, tests 1 and 2, which require no additional test equipment.
4. Carry out tests 3 and 4 using the Decade Resistance Box.
5. Enter the results for test 5 is applicable.
6. Complete the results sheet header and enter Pass / Fail.

References

Appendix A Calibration Results for OHLE Structure to Rail Bond Tester

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Appendix A

Calibration Results for OHLE Structure to Rail Bond Tester

Model Serial No

Date Result

Lab Temp / RH Operator

User Certificate No

Calibration is in accordance with R & DD technical Memorandum TM/ES/12

Test 1

With the magnet clear of the impact probe, press the UUT test button : Does the UUT display indicate "Fail"?

Pass / Fail

Test 2

With the impact probe in contact with the face of the UUT magnet, press the test button : Does the UUT display indicate "Pass"?

Pass / Fail

Test 3

Apply 1 ohm between the impact probe and the magnet face ; Does the UUT display indicate "Fail"?

Pass / Fail

Test 4

Apply 0.9 ohm between the impact probe and the magnet face : Does the UUT display indicate "Pass"?

Pass / Fail

Test 5

If the UUT fails calibration in Test 3 or 4 above, note the actual resistance values for the UUT to indicate "Fail" and "Pass".

"Fail" =ohm "Pass" =ohms