

Continuity of bonding conductor. Write in column 16 of the test sheet

This is the testing procedure for a multi-function Megger. For other makes the procedure may differ.

Nulling the leads. (Only null the leads once, when you first turn the machine on. It does not need to be nulled between tests)

Only perform this task once, the first time you turn the tester on. Place the crocodile clips on the test leads. Ensure the tester is set to ohms (Ω). For a Megger, turn the dial to the orange, Ohm setting. Once a reading has been given, press the test button. The value will go to zero and the display will show the circle in the top left hand corner.

Continuity of bonding conductor.

1. Set your test machine to ohms (Ω).
2. Have the crocodile clip on one test lead and the probe on the other test lead.
3. Grip the test lead with the crocodile clip onto the earth bar.
4. Go to the point where the earth clamp is, place the test probe against the pipe or metalwork. Do not place the probe on the earth clamp itself. This way you are also testing that the earth clamp has made a good contact.
5. Do not push the test button, when on the ohms (orange) setting, the machine automatically tests
6. Record the reading given in column 16 of the test sheet.

You are measuring the resistivity of the earth (green/yellow) cable, resistance is measured in ohms (Ω), the reading should be low.

If there is no reading, then there is a break in the bonding cable, the connection has come out of the earth bar or has come out of the earth clamp. There may be a possibility that your test probe is not connected to the earth bar. If your reading is high, then you may have a loose connection.