PAT INSULATION RESISTANCE, AND POLARITY

WHY SWITCH IT ON BEFORE THE INSULATION TEST?

Line and neutral pins joined with a clip, the other lead on the metal you can touch. 500 V DC.

- **Switch the equipment on** first, with all its covers in place. A switch left off leaves part of the live conductors out of the test.
- Shredder: >999 MΩ, class II minimum 2 MΩ. Hot plate: >999 MΩ, class I minimum 1 MΩ. Record the greater-than sign.
- **Polarity:** on a moulded plug, a multifunction tester can't prove it — you can't see inside. Record **N/C**, not checked — the key on Form 4.1. On a lead, polarity is checked by continuity, pin to matching contact (10.10(d), p.75): a dedicated PAT tester does it with its cord test.

Then **functional**: plug it in, it works, it switches off. Suitable for where it's used? Suitable for continued use? Initials, and a pass sticker.

Code of Practice · 10.6 · Table 10.2 · minimum insulation resistance

Free section from Sparky Study Notes. The full Level 3 notes, 1,463 practice questions and the video lessons: sparkystudynotes.co.uk