

1. What type of appliance are you trying to test?

Class I An earthed appliance. It will have a lead and a plug and 3 wires: an earth, a live and a neutral.

Class II These appliances will have a double-insulated (square within a square) symbol on the manufacturer's label. A lead will have 2 wires; a live and a neutral.



Cord An IEC lead, which connects an appliance to a power source and is detachable.

Extension Lead

Mains Power Outlet

2. Whichever appliance or lead you are testing, you will need to do a visual inspection first!

- Is the plug damaged in any way?
- Is the plug suitable?
- Is the flexible lead secure at the anchorage grip?
- Has a non-moulded plug been correctly wired?
- Are the wires securely attached to the correct terminals?
- Are there any loose strands of wire?
- Does the fuse conform and is it secure?
- Remove any paper wiring diagram that might have been placed over the pins
- New plugs must have a sleeve on the live and neutral pins.
- Straighten any tightly bent cable
- Extension leads should be used on a temporary basis. Install a new socket-outlet nearer the appliance.

Failed the Inspection!

Place a **Fail** label on the appliance/lead, update the Test Records Register and remove it from service. Have it repaired or replaced.

Repaired!

Passed the Inspection! Update the Test Records Register!

Class I Turn on the PB500. Insert the round jack of the earth test lead into the top of the PAT tester and, using either the probe or the crocodile clip, connect it to an external earth point on the appliance. Insert the plug of the appliance into the socket on the front of the PAT tester.

Make sure the appliance power switch is in the On position and press the Class I button.

Class I Lo Load is displayed when the appliance power switch is in the **Off** position, or the appliance does not have a switch. Turn the switch to the **On** position; or if it doesn't have a switch, press the Class I button again to continue the test sequence.

Class II Turn on the PB500. Insert the plug of the appliance into the socket on the front of the PAT tester.

Make sure the appliance power switch is in the On position and press the Class II button.

Class II Lo Load is displayed when the appliance has not been plugged into the socket on the PAT tester, or the appliance power switch is in the **Off** position, or the appliance does not have a switch. Plug in the appliance; or turn the switch to the **On** position; or if it doesn't have a switch, press the Class II button again to continue the test sequence.

Cord Turn on the PB500. Insert the socket of an IEC lead into the IEC plug located on the top of the PAT tester, and its plug into the socket on the front of the PAT tester.

Press the Cord button.

Extension Lead Turn on the PB500. Insert the socket of the supplied IEC lead into the IEC plug located on the top of the PAT Tester. Insert the plug of the IEC lead into the first or only socket of the extension lead and insert the plug of the extension lead into the socket of the PAT tester.

Press the Cord button. Repeat the test for any other sockets on the extension lead. If surge-protected, read the instruction manual.

Mains Power Outlet Turn on the PB500 and insert the socket of the supplied and designated IEC lead into the IEC plug located on the top of the PAT tester.

Insert the plug of the IEC lead into the mains power outlet, and switch the socket on.

Passed - Perform a functional test on the appliance and/or lead.

Failed - place a Fail label on the appliance/lead, update the Test Records Register and remove it from service. Have it repaired or replaced.

Passed - Place a Pass label on the appliance or lead. Complete the Test records Register!

Failed - place a Fail label on the appliance/lead, update the Test Records Register and remove it from service. Have it repaired or replaced.

Watch the training DVD or read the instruction manual for further guidance on exceptions, long leads and surge-protection .