



The HPAT600 is a battery powered portable Appliance Tester with the following features:-

**Dual Insulation Test Voltage** - The insulation measurement test voltage can be set to either 500V or 250V.

**User Selectable Pass Levels** - Appliance test pass levels may be user defined.

**Easy or Fast Operating Modes** - The HPAT600 can be operated in either of two modes. In manual mode, aimed at the newcomer to PAT testing, a connection diagram for the selected test type is shown on the display. Each step of a test requires user confirmation by a press of the OK button.

In the Auto mode, for the experienced operator, the HPAT600 will automatically run through a selected test sequence without any further user interaction unless a failure is encountered.

**IEC Lead Test** - The HPAT600 can also be used to check IEC leads for earth continuity, insulation, and polarity.

**Test Data Memory Storage** - The HPAT600 is able to store test data for up to 200 appliances into memory.

### Earth Continuity

**Test voltage:** 4V DC (into open circuit)

**Test current:** 200mA DC (into short circuit)

**Range:** 0 - 19.99 $\Omega$     **Resolution:** 0.01 $\Omega$

**Accuracy:**  $\pm$  (5% reading + 2 digits)

**Default pass levels:**    **Class I:** 0.1  $\Omega$ .    **Lead:** 0.1  $\Omega$

**User selectable pass levels:** 0.1 $\Omega$  to 0.9 $\Omega$  in 0.1 $\Omega$  steps

### Insulation

**Test voltage:**

**500V range:** >500V DC at 1mA (< 600V DC into open circuit)

**250V range:** >250V DC at 1mA (< 300V DC into open circuit)

**Test current:** 1.5mA (into short circuit)

**Ranges:** 2.00M $\Omega$ , 20.0M $\Omega$ , 200M $\Omega$     **Resolution:** 0.01M $\Omega$

**Accuracy:**  $\pm$  (2% reading + 2 digits)

**Default pass level:**

Lead: 1 M $\Omega$

Class I: 1 M $\Omega$

Class II: 2 M $\Omega$

**User selectable pass levels:** 0.3 M $\Omega$  to 1M $\Omega$  in 0.1M $\Omega$  steps  
1M $\Omega$  to 10M $\Omega$  in 1M $\Omega$  steps

### Fuse Test

**Test voltage:** 4V DC (into open circuit)

**Test current:** 200mA DC (into short circuit)

**Pass level:** >2mA

### Simulated Load Test

**Test voltage:** 4V DC (into open circuit)

**Test current:** 200mA DC (into short circuit)

**Accuracy:**  $\pm$  (5% reading + 2 digits) (referenced to 230V)

### General

**Overload protection:** 300V AC/DC

**Protection class:** IP20

**Safety:** Complies to BS EN 61010-1:2001

**Temperature Range:** -10 to 40°C, non-condensing

**Power supply:** 6 x 1.2V AA NiMH **rechargeable** batteries  
1800mAh, or greater

**Dimensions:** 90 x 210 x 54mm

**Weight:** Approx 700g (including batteries and leads)