



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 Ω **Resolution:** 0.01 Ω

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

Default pass levels: **Class I:** 0.1 Ω . **Lead:** 0.1 Ω

User selectable pass levels: 0.1 Ω to 0.9 Ω in 0.1 Ω 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 Ω , 20.0M Ω , 200M Ω **Resolution:** 0.01M Ω

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

Default pass level:

Lead: 1 M Ω

Class I: 1 M Ω

Class II: 2 M Ω

User selectable pass levels: 0.3 M Ω to 1M Ω in 0.1M Ω steps
1M Ω to 10M Ω in 1M Ω 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)