MARTINDALE ELECTRIC

HPAT600 HANDYPAT pat tester



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 - 19.99Ω **Resolution:** 0.01Ω
Accuracy: ± (5% reading + 2 digits)
Default pass levels: **Class I:** 0.1 Ω. **Lead:** 0.1 Ω
User selectable pass levels: 0.1Ω to 0.9Ω in 0.1Ω 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: 2.00MΩ, 20.0MΩ, 200MΩ **Resolution:** 0.01MΩ
Accuracy: ± (2% reading + 2 digits)
Default pass level:
Lead: 1 MΩ
Class I: 1 MΩ
Class II: 2 MΩ
User selectable pass levels: 0.3 MΩ to 1MΩ in 0.1MΩ steps
1MΩ to 10MΩ in 1MΩ 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: ± (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)

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