# MARTINDALE

## 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 - 19.99 $\Omega$  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)</td>250V range: >250V DC at 1mA ( < 300V DC into open circuit)</td>Test current: 1.5mA (into short circuit)Ranges: 2.00MΩ, 20.0MΩ, 200MΩResolution: 0.01MΩAccuracy:  $\pm$  (5% reading + 2 digits)Default pass level:Lead: 1 MΩClass I: 1 MΩClass II: 2 MΩUser selectable pass levels:0.3 MΩ to 1MΩ in 0.1MΩ steps1MΩ 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)

Due to policy of continuous development, Martindale Electric reserves the right to alter equipment specification and description outlined in this document without prior notice. No part of this document shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract. © Martindale Electric Co. Ltd. 2007 Rev 1 LITEPAT600

#### Martindale Electric Company Ltd.

Metrohm House, Penfold Trading Estate, Imperial Way, Watford, WD24 4YY. Tel: 01923 441717 Fax: 01923 446900 E-mail: sales@martindale-electric.co.uk Web site: http://www.martindale-electric.co.uk rev2