

MARTINDALE

● ● ● ELECTRIC

Specification
HPAT500
HandyPAT



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% of reading + 2 digits)

Fixed pass limits:

Lead $\leq 0.10 \Omega =$ PASS

$\leq 0.20 \Omega =$ NOTE x.xx PASS

Class I $\leq 0.10 \Omega =$ PASS

$\leq 0.20 \Omega =$ NOTE x.xx PASS

If NOTE x.xx Ω PASS is displayed, end user of HPAT should take note of the Earth Continuity resistance value and reach a pass/fail decision for the appliance.

INSULATION

Fixed voltage:

>500V DC at 1mA (< 600V 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: <100M $\Omega \pm$ (5% reading + 2 digits)

>100M $\Omega \pm$ (10% reading + 2 digits)

Fixed pass level:

Lead: $\geq 1.0 \text{ M}\Omega$

Class I: $\geq 1.0 \text{ M}\Omega$

Class II: $\geq 2.0 \text{ M}\Omega$

FUSE CHECK

Test voltage: 4V DC (into open circuit)

Test current: 200mA DC (into short circuit)

Pass level: >2mA

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

Batteries: 6 x 1.2V AA NiMH rechargeable batteries
1800mAh, or greater

Caution - use only the battery type specified

Battery Life: Fully charged, minimum 600 complete tests. The HPAT500 will operate fully from the battery charger in the event of discharged batteries. Do not remove batteries.

Auto Power Down:

After 10 minutes of inactivity, or when battery low

Battery Charger:

Input: 230V 50Hz

Output: 12VDC at 300mA, 5.5 jack x 2.5 bore centre positive

Dimensions: 90 x 210 x 54mm

Weight: Approx 700g (including batteries & leads)