



Specification  
HPAT500/2  
HandyPAT



**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% of reading + 2 digits)

**Fixed pass limits:**

Lead ≤ 0.10 Ω = PASS  
≤ 0.20 Ω = NOTE x.xx PASS  
Class I ≤ 0.10 Ω = PASS  
≤ 0.20 Ω = 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**

**User Selectable Voltage:**

>500V DC at 1mA (<625V DC into open circuit)  
>250V DC at 1mA (<312.5V DC into open circuit)

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

**Ranges:** 2.00MΩ, 20.0MΩ, 200MΩ

**Resolution:** 0.01MΩ

**Accuracy:** <100MΩ ± (5% reading + 2 digits)  
>100MΩ ± (10% reading + 2 digits)

**Fixed pass level:**

Lead: ≥ 1.0 MΩ  
Class I: ≥ 1.0 MΩ  
Class II: ≥ 2.0 MΩ



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**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

**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)

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