**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**

- **Fixed voltage:** >500V DC at 1mA (< 600V 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

**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)