

# 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 $\Omega$

**Resolution:** 0.01 $\Omega$

**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  $\Omega$  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 $\Omega$ , 20.0M $\Omega$ , 200M $\Omega$

**Resolution:** 0.01M $\Omega$

**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)