

# QUICK498 手腕带测试仪 Wrist Strap Tester (System Tester)

## 操作手册

### 一、概述：

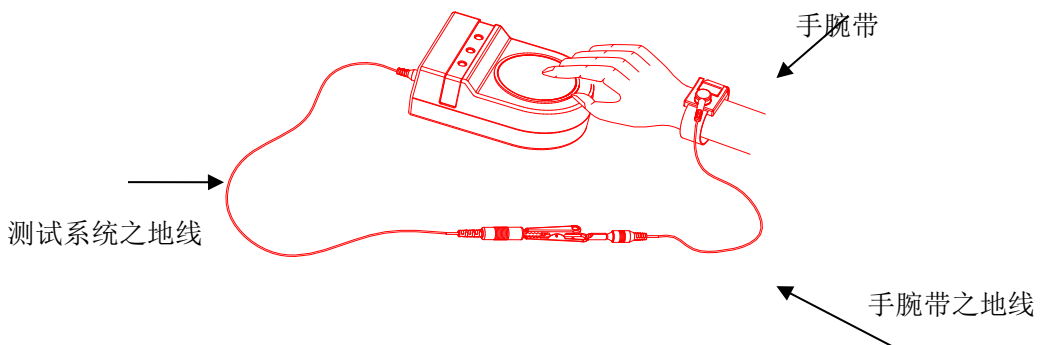
人体身上的接地设施，比如接地手腕带，是将人体身上产生的电荷消耗掉的最主要的方法，基于上述原因，对于接地手腕带质量以及员工佩带是否合理都需要进行测试。

### 二、规格：

1. 系统接地良好阻值范围：  $1\text{ M}\Omega\sim 35\text{ M}\Omega$
2. 电源：9V 电池
3. 精度： $\pm 10\%$
4. 外形尺寸：117mm (L)  $\times$  80mm (W)  $\times$  40mm (H)
5. 重量：约 0.2 kg

### 三、操作：

1. 在测试仪后面的电池盒内装入 9V 电池。
2. 插入测试系统地线的香蕉插头以便连接手腕带。
3. 戴上手腕带，须紧贴着手腕。
4. 将手腕带地线接头与测试系统地线接头相连。
5. 按下测试仪正面的测试板（图 1），可看到指示灯亮或听到声音讯号。
  - (1) 若绿色“GOOD”灯亮，且听到声音讯号，则接地系统安全。
  - (2) 若红色“LOW”灯亮，则需检查手腕带与地线的电阻，是否小于  $750\text{K}\Omega$ 。
  - (3) 若红色“HIGH”灯亮，请检查手腕带是否在手腕上佩带是否太松，再检查手腕带接地线是否断裂。



**注意：如果经过大约 50000 次操作后，声音讯号明显变低，或指示灯亮度明显变暗时，请更换电池。**

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# QUICK498 Wrist Strap Tester (System Tester)

## Operation Instruction

### I .General

Personnel grounding devices such as wrist straps are the primary method to minimize charge generation on the human body. They must be able to drain this charge as rapidly as it is generated. For this reason it is important to test wrist straps on a regular basis to ensure they are functioning properly and that the test results be recorded.

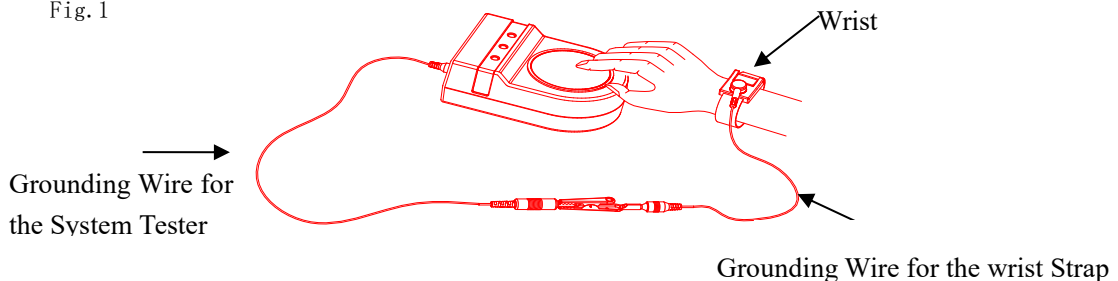
### II .Specification

- The grounding system 'PASS' resistor range 1 M $\Omega$ ~35 M $\Omega$
- Power supply...9 volt battery
- Changeover point... $\pm 10\%$
- Dimensions...117mm(L) $\times$ 80mm(W) $\times$ 40mm(H)
- Weight...about 0.2 kg

### III.Operation

- Insert a 9V battery into the battery compartment at the rear of the unit.
- Insert the banana clip of the grounding wire into the grounding terminal at the top of the unit, in order to connect wrist strap.
- Attach the wrist strap so that it firmly contacts the wrist.
- Connect the grounding wire to the grounding wire of the wrist strap.
- Press the test pad on the front of the unit .(Fig.1)A LED lamp and an audible signal will be heard.
- )If the green "Good" lamp lights up. The grounding system is safe.
- )If the red "Low" lamp lights up. Check the resistance of the wrist strap grounding wire as it may be lower than 750K.
- )If the red "High" lamp lights up. Check the wrist strap to make sure it firmly contacts the wrist. Also check the resistance of the wrist strap grounding wire to make sure the grounding wire is not broken.

Fig. 1



**Caution: If after approx 50,000 testing operations. The audible signal is no longer heard but the green "Good" lamp still lights up. Replace the battery.**

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