

迷你型檢測計

MINI APPLIANCE CHECKER



880 AT

用途

880 AT是一種檢查家電用品或設備的絕緣狀況和接地狀況是否良好的簡易檢測儀表，它使用低電壓和低電流來執行。在阻抗過低或接地狀況不良時，一旦家電或設備產生漏電時，將會對使用者造成人身安全的威脅。

規格

- 測試阻抗：
 1. L-E紅燈點亮，表示L-E阻抗 $<1M\Omega \pm 15\%$
 2. N-E紅燈點亮，表示N-E阻抗 $<1M\Omega \pm 15\%$
 3. EARTH BOND紅燈點亮時，表示接地阻抗大於 $10\Omega \pm 25\%$
- 測試電流：
 1. L-E測試電流最大為9uA
 2. N-E測試電流最大為9uA
 3. 接地測棒尖端，測試最大電流為2.3mA
- 最大輸出電壓：9Vrms
- 響應時間：0.1秒
- 電源不足顯示：低於7V
- 外形尺寸：72(長) x 150(寬) x 36(高)mm
- 重量：約194公克(含電池)
- 材質：ABS
- 使用電池：9V電池一個
- 操作溫濕度：-15°C~55°C. 85%R.H.
- 儲藏溫濕度：-20°C~70°C. 85%R.H.

操作方法

1. 本表不要連結任何器物，按下"ON"鍵，確定有無足夠電源；如果燈亮，代表電源不足，必須更換電池。
2. 將測試線連結在Probe上，被測物的電源插頭插入本表的萬用插座裡，測棒尖端接觸被測物，按下"ON"鍵，作以下判讀：
 - a. L-E上方的紅燈點亮時，代表L-E的絕緣不良(L-E阻抗 $<1M\Omega \pm 15\%$)。
 - b. N-E上方的紅燈點亮時，代表N-E的絕緣(N-E阻抗 $<1M\Omega \pm 15\%$)。
 - c. EARTH BOND上方的紅燈點亮時，代表接地不良($>10\Omega \pm 25\%$)。
 - d. 如果絕緣和接地狀況良好，則SAFE上方會顯示綠燈，而紅燈則不會亮。

一般電氣檢測

1. 一般的電氣，如洗衣機、電燙斗、洗碗機、烤箱、冰箱、電鍋、電腦主機.....均可作檢測。
2. 操作舉例(洗衣機)
 - a. 將洗衣機插頭插入檢測器的萬用插座，然後，使用測試棒的尖端，接觸洗衣機的金屬部份(如未上漆的螺絲或外殼)，並且確定完全接觸。
 - b. 壓下"ON"按鈕。
 - c. 作指示燈顯示狀態作判斷。





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Test & Measuring Instruments

MINI APPLIANCE CHECKER



When these three conditions are satisfied, the GREEN SAFE LED will light up, showing that the appliance has checked SAFE according to the checker method of testing.

Always use the appliance simulator before and after using the checker on a real appliance, to ensure proper working condition of the checker.

Please note that due to the fact that this checker uses less than 10V for its test, faulty voltage dependent devices could be undetected.

Application Example

The appliance is plugged into the mini appliance checker, then the probe make contact with the protective conductor.

CE

880 AT

The Mini Appliance Checker 880 AT is a simplified version of an appliance tester which use low voltage and low current to perform its checks.

This is not intended to be used to perform certification testing.

It has been designed to be low cost and simple to use, But still has all the necessary basic functions to check a normal appliance.

It has been designed to be utilized by people who need to check the good status of insulation and plug wiring, for example, before delivery of an appliance to a customer.

This Mini Appliance Checker also can be utilized to confirm the problematic status of an appliance which need servicing.

This checker verify that the resistance between the Line and Earth conductor connected to the appliance is more than 1M ohm.

If this is not the case, the L-E LED will light up, showing a likely insulation fault between L-E.

This checker verify that the resistance between the Neutral and Earth conductor connected to the appliance is more than 1M ohm.

If this is not the case, the N-E LED will light up, showing a likely insulation fault between N-E.

This checker verify that the resistance between the Earth Chassis of the appliance and the Earth conductor (at the plug) connected to the appliance is less than 10 ohms.

If this is not the case, the EARTH BOND LED will light up, showing a likely continuity fault between the earth at the plug and the chassis of the appliance.



Other appliance checking

Washing Machine Toaster Iron Dish Washer Stove



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