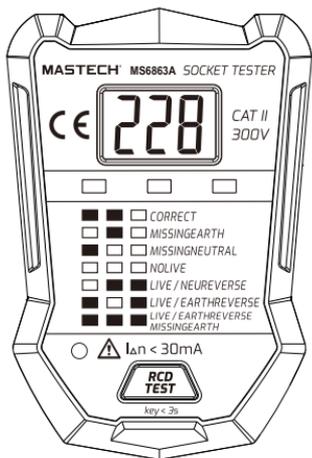


# MASTECH®

## MS6863A

Socket Tester  
User Manual



Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our MASTECH product.

### **Warning:**

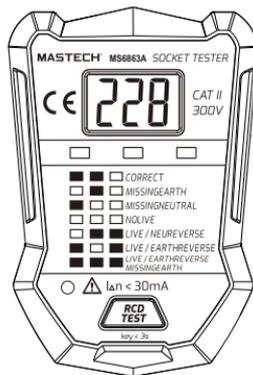
The socket tester is only to be used for the polarity detection of the power socket and the safety of the leakage protection switch.

It can quickly and accurately check the wiring situation of the socket. The basic model digitally displays the current socket voltage value. The voice model can broadcast the current state of the socket tester and the current measured voltage value.

### **Notice:**

Please read the manual carefully before use and abide by the safety advice, cautions, attentions, warnings and other matters listed in this manual.

### **Display type Socket tester panel diagram:**



### **Safety instructions**

#### **Warning:**

To avoid possible electric shock and physical injury:

- Before use, please check the tester carefully to confirm whether there is any damage, if there is damage, please stop using immediately and send it to repair.
- Check whether the tester can work normally. Please plug in the tester on the known correct socket to test, check the test function can be used correctly then do the test.

- The test of leakage protection switch must be conducted under the condition of correct wiring.
- When detecting the leakage protection switch, please turn off the equipment on the power line to ensure that power failure will not cause any harm, When testing in public places, it must be approved before testing.
- When the tester detects the wrong connection of the socket, please find professional electricians maintain wiring.

### **Technical parameters**

#### **Working voltage**

AC Voltage	175 ~ 250V/50Hz ~ 60Hz
Accuracy	±(2.0%+2)

#### **Operational environment**

Working temperature	0 ~ 40 °C
Working humidity	20% ~ 75%RH
Storage temperature	-10 °C ~ 50 °C
Storage humidity	20% ~ 80%RH
Altitude	≤2000 meters

#### **Test range**

Leakage test current	> 30mA
Leakage test voltage range	AC220V±20V

## Operating instructions

### Socket polarity test

Insert the socket tester into the three-hole socket with correct wiring. Observe the indicator and function comparison table on the work panel to assess whether the socket wiring is correct,

unplug the socket tester immediately. If a fault is detected, contact a professional electrician to repair the socket / wiring.

- Detection time cannot exceed 5 minutes;
- Do not touch the "leakage test" button when in use to prevent triggering the leakage protection switch by mistake and cause unnecessary loss.

To test the leakage protection, insert the socket tester into the three-hole socket with correct wiring and press the "leakage test" button for less than 3 seconds. During this time a normal leakage switch protector will trip. If it does not trip, the leakage switch protector has failed. Contact a professional electrician to repair.

## Leakage test of leakage switch protector

- Insert the socket tester into the three-hole socket with correct wiring. Press the "leakage test" button for less than 3 seconds. During this time, a normal falling point switch protector will trip, if not, the voice broadcast will prompt "please check the air switch". Contact a professional electrician for maintenance in time.

- Press "leakage test". In the state of missing ground wire, the broadcast will be: ground wire is missing, unable to test;
- Press "leakage test". In the state of missing neutral wire, the broadcast will be: neutral wire is missing, unable to test;
- Press "leakage test". In the state of missing hot wire, no voice broadcast;
- Press "leakage test". In the state of hot wire and neutral wire reverse, the broadcast will be: hot wire and neutral wire reverse, unable to test;
- Press "leakage test". In the state of hot wire and ground wire reverse, the broadcast will be: hot wire and ground wire reverse, unable to test;
- In the state of hot wire and ground wire reverse and missing ground wire, voice broadcast will be: hot wire and ground wire reverse and missing ground wire, current voltage value..... repeated three times every 1 second.

## Function comparison table

	Green light	Green light	Red light
CORRECT	■	■	□
MISSINGEARTH	□	■	□
MISSINGNEUTRAL	■	□	□
NOLIVE	□	□	□
LIVE / NEUREVERSE	□	■	■
LIVE / EARTHREVERSE	■	□	■
LIVE / EARTHREVERSE MISSINGEARTH	■	■	■

### Note:

Hot wire and ground wire reverse and the ground wire is missing: If the hot wire and ground wire are reversed at the same time and the ground wire is not connected, the tester cannot distinguish the reverse connection between the neutral wire and the ground wire.

### Product clean

Clean with a wet cloth, do not use cleaning agents or other chemicals.

### Note:

After cleaning, do not use the tester until it is completely dry.



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