

Professional Socket tester User manual



Warning

Please read the manual carefully before use, and strictly follow the safety instructions

major function

- Three hole socket line sequence detection

- Phase voltage (L_N) measurement
- Leakage voltage (N_E) measurement
- RCD(or GFCI) Test

Safety instruction

Warning

To avoid possible electric shock or personal injury:

- Please check the tester carefully before using it and confirm if there is any damage. If there is any damage, please stop using it immediately and send it to repair.
- Check whether the tester is correct. Insert the tester into a known correct

socket for testing and check that the test function is correct before using it.

- The RCD test must be properly operated under the correct wiring.
- When testing RCD, please close the equipment on the power line to ensure that power failure does not cause any harm. When testing in public places, it must be permitted to test.
- When using the tester to detect the wrong wiring of the socket, please find professional electrician maintenance wiring.

Technical specifications

- operating voltage:
90~250V/45~65Hz
- Phase voltage:
90~250V/45~65Hz
accuracy: $\pm (2.0\%+2)$
- Leakage voltage:
0~99V/45~65Hz
accuracy: $\pm (2.0\%+2)$
- operating temperature:
0°C~40°C
- operating Humidity:
20%~75%RH
- Storage temperature:
-10°C~50°C
- Storage Humidity:
20%~80%RH
- Altitude: $\leq 2000\text{m}$
- RCD test: $>30\text{mA}$

- RCD working voltage:
220V±20V
- GFCI test: >5mA
- GFCI working voltage:
110V±20V

Note: RCD and GFCI functions do not coexist

Operation

Warning

- **the test time is not more than 5 minutes**
- **When using, please be careful not to touch the RCD button, so as not to trigger the leakage protection switch, causing unnecessary losses.**

Socket tester

Insert the tester into the standard three hole power socket, then observe the indicator light and the error table, judge whether the socket connection is correct, and then pull out the tester. When the wrong connection is detected, please find a professional electrician to repair the wiring.

Phase voltage, leakage voltage

Plug the tester into a standard three hole power outlet. Read phase voltage (L_ N) Leakage voltage (N_ E)

Note:

When the socket connection is not correct, the leakage voltage cannot be measured

RCD (or GFCI) Test

Insert the tester into the three hole power socket with correct wiring, RCD (or GFCI) trip current will be displayed on the display, press and hold the RCD key for more than 2 seconds. At this time, the normal leakage switch will trip off. If it does not trip, it means that the leakage switch has failed. Please find a professional electrician for maintenance.

Error table

	RED	RED	RED
CORRECT	●	●	○
OPEN GROUND	●	○	○
OPEN NEUTRAL	○	●	○
OPEN LIVE	○	○	○
LIVE/GRD REVERSE	○	●	●
LIVE/NEU REVERSE	●	○	●
LIVE/ GRD REVERSE; missing GRD	●	●	●

Note:

- **LIVE/GRD RESVERSE, missing GRD: It is the reverse connection between the live line**

and ground line, and the ground line is unconnected.

- This tester cannot distinguish between neutral line and ground wire reverse.

Clean

Clean with a wet cloth, Cleanliness or other chemicals are not available

Note: After cleaning, the tester must be dried before it can be used.

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