

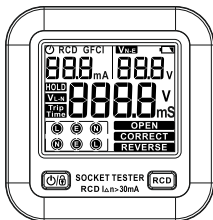
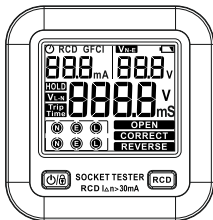
HTC

HAZARI TECH CONNECT

SE-09

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

- Phase voltage:
30~260V/45~65Hz
accuracy: $\pm (3.0\%+2)$
- Leakage voltage:
0~99V/45~65Hz
accuracy: $\pm (2.0\%+2)$
- Trip-time: 10-1000ms
accuracy: $\pm (2.0\%+4)$
- 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: $>30\text{mA}$
- GFCI test: $>5\text{mA}$

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 (or GFCI) button, so as not to trigger the leakage protection switch, causing unnecessary losses.

Automatic shutdown function:

No operation, about 5 minutes automatic shutdown.

Data hold function:

The tester automatically locks the data after three seconds of plugging into the socket, and then press the unlock button to unlock the device.

Socket sequence test:

Plug the tester into a standard three-hole power outlet. When the socket line sequence error is detected, the orange backlight is lit to indicate the wiring error. According to the display, determine what kind of error the socket connection is (refer to the error table), and then unplug the tester. When the wrong wiring is detected, please find a professional electrician to repair the wiring.

Phase voltage, leakage voltage detection and display of RCD(or GFCI) trigger current :

Plug the tester into a standard three-hole power outlet. Read the phase voltage (L_N), leakage voltage (N_E) and RCD(or GFCI) trigger current from the tester display.

Note:

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

RCD (or GFCI) Test:

Plug the tester into the correctly connected three-hole power socket, and the RCD (or GFCI) trigger current will be displayed on the display. Press

and hold the RCD (or GFCI) key for more than 2 seconds, then the normal leakage switch will trip, and the trip time will be displayed, and the key prompt light will blink to indicate that the trip is complete. If it does not trip, it indicates that the leakage switch has failed. Please find a professional electrician to repair in time.

After the measurement, press the RCD(or GFCI) key (about 1 second) to return to the line sequence measurement interface.

GFCI: If the Trip-time is greater than 25ms, the screen turns orange and “Err” is displayed.

RCD: If the Trip-time is greater

than 100ms, the screen turns orange and “Err” is displayed.

Error table

CORRECT	L/N/E-CORRECT
OPEN GROUND	E-OPEN
OPEN NEUTRAL	N-OPEN
OPEN LIVE	---
LIVE/GRD REVERSE	L/E-REVERSE
LIVE/NEU REVERSE	L/N-REVERSE
LIVE/ GRD REVERSE; missing GRD	L/N/E-REVERSE

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.