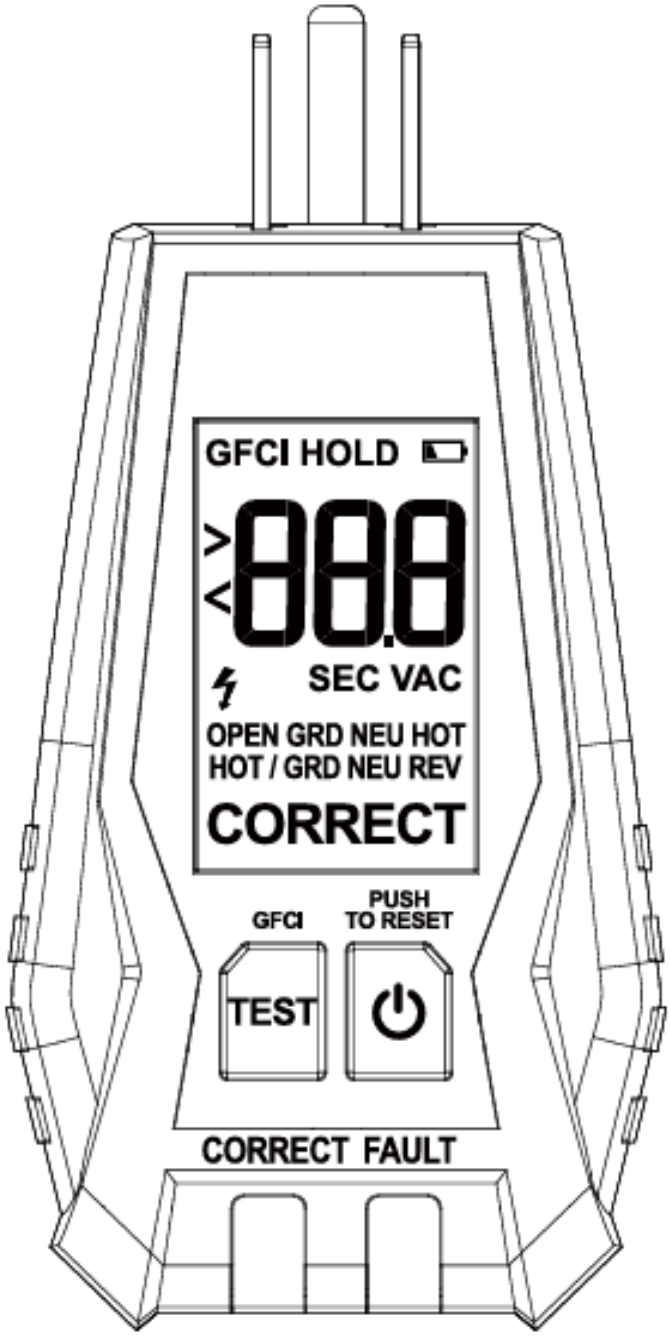
USER'S MANUAL

GFCI OUTLET TESTER



⚠ Please read this manual carefully before using this product,and keep it properly for future use!

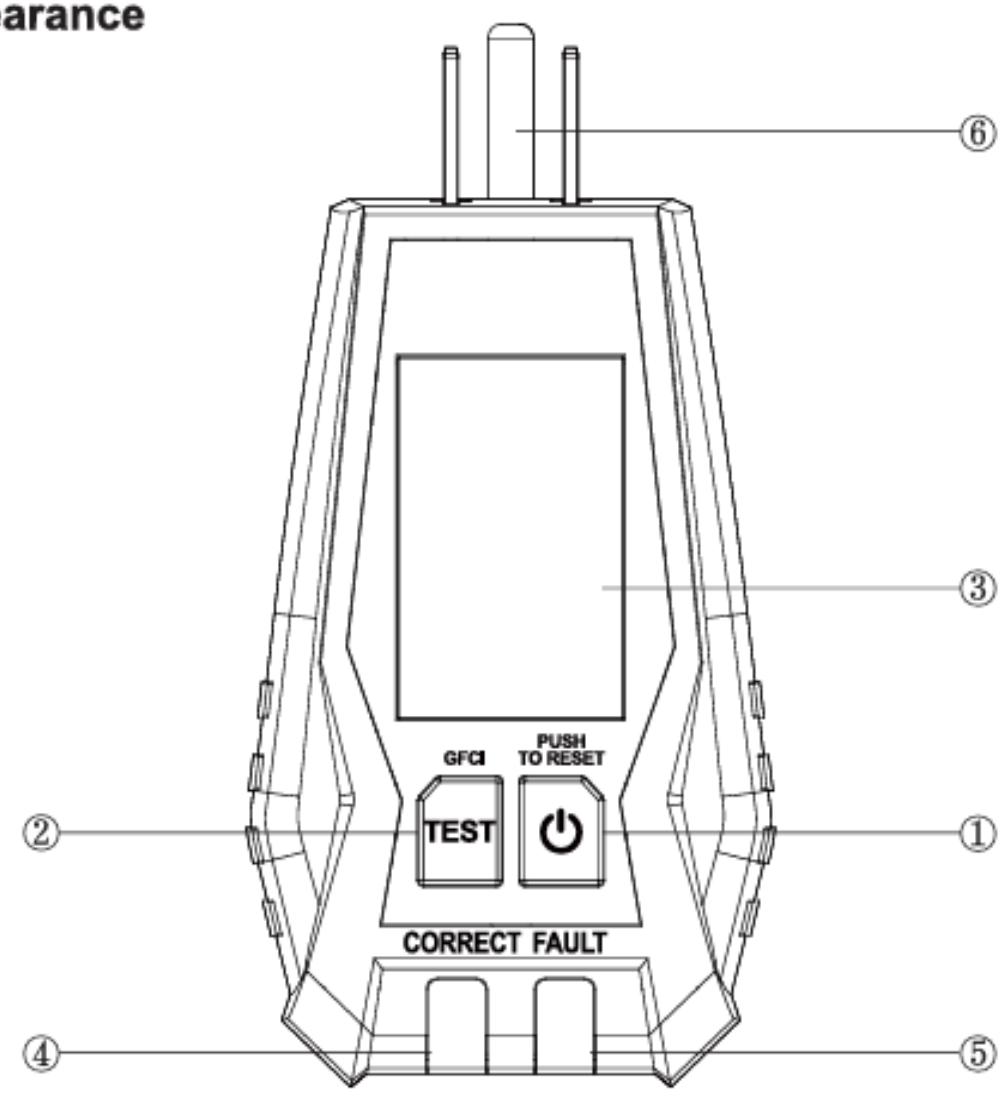
1. Introduction

This instrument is a circuit detector, which is suitable for measuring whether the wiring of power socket is correct, the performance test of circuit breaker and the trip time of circuit breaker, and displaying the voltage value and test results through LCD.

⚠	Please read the operating instructions carefully before use, and strictly observe the following operating instructions to avoid electric shock or casualties.

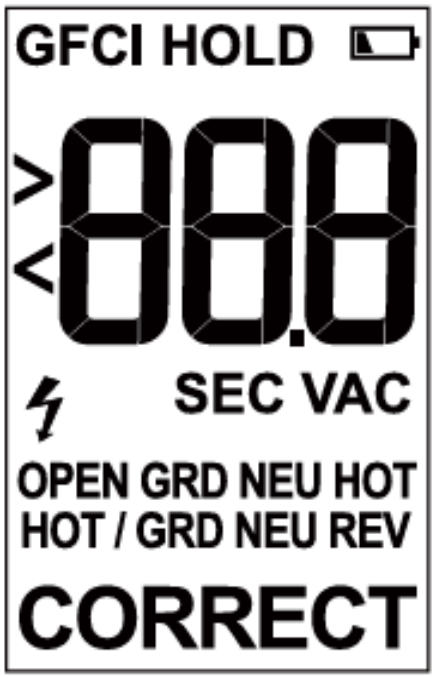
* This instrument is designed for the detection of 120V power sockets in North America, and it is forbidden to measure high voltage.
* After receiving the instrument, please check whether it's damaged in transit and whether it's in good condition.
* Before use, please test the unit on a circuit that is known to be live and correctly wired to verify whether it functions normally.
* When using the GFCI function, please confirm that the circuit breaker must have been installed on the test line, and the GFCI function must be tested on the correctly wired line.
* When using the GFCI function, please turn off other electrical equipment on the power line to ensure that power failure will not cause any harm.
* When the GFCI function is used in public places, the test can only be carried out with the permission of the site manager.
* When the instrument is used, if the wiring error of the socket is detected, please find a professional electrician to repair the wiring.
* This detector is only applicable to 3-wire socket test.
* Please take out the battery when the instrument is not used for a long time to prevent the battery from leakage and corrosion.
* After the instrument is stored in a bad environment, all functions should be tested before use.

2.Appearance



①	Power, reset key
②	GFCI test key
③	Display
④	The indicator light (green light) correct
⑤	The indicator light (red light) failure
⑥	Plug

3. Display



GFCI	Circuit breaker
HOLD	Hold indication
	Battery undervoltage indication
>	More than
<	Less than
	Electrified danger
SEC	Wait
V	Voltage
AC	Alternating current
CORRECT	Wiring is correct
OPEN NEU	Neutral wire is open.
OPEN GRD	Ground wire is open.
HOT/GRD REV	Hot wire and ground wire are connected reversely.
HOT/NEU REV	Hot wire and neutral wire are connected reversely.
OPEN HOT	Hot wire is open.
OPEN GRD NEU	Ground wire and neutral wire are open.

4. Technical parameters

Product	Socket detector
Display	VA reverse display color screen
Working altitude	2000m
Type of alarm	Screen display, indicator light
Security level	AC 135V
Battery	1.5V AAA×2
Automatic shut-down	About 3 minutes
Working current	About 30 mA
Working environment	0~50°C/0%~70%RH
Storage environment	-20~60°C/0%~75%RH
Size	114x56x30mm
Weight	About 85g

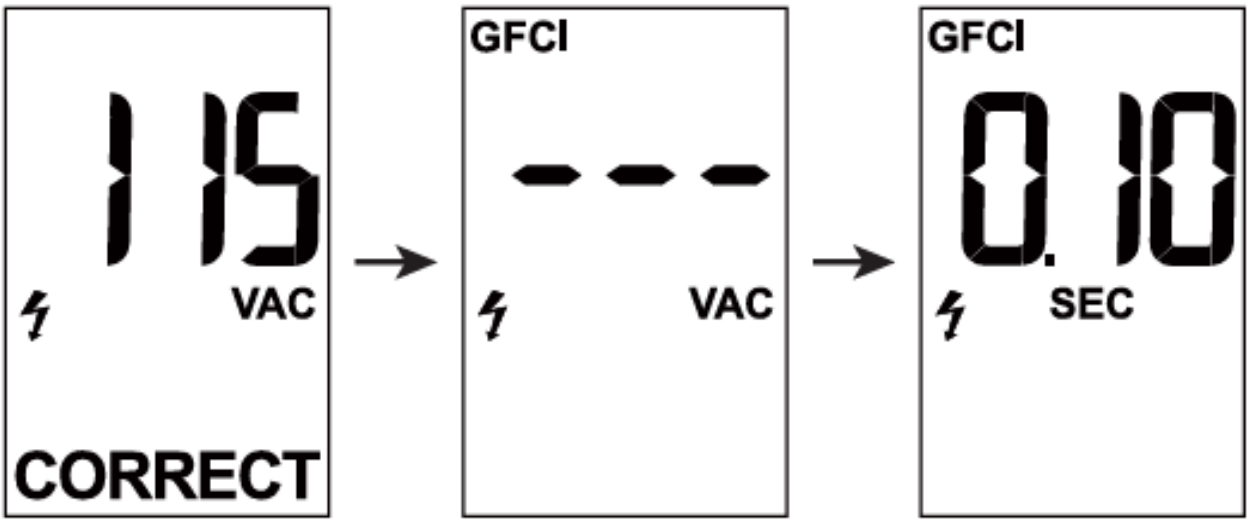
5. Functions

1.Press the (⏻) key for 1 second to turn the unit on or off. When the unit is unplugged after
measurement, short press it to quickly unlock.

2. Automatic shutdown function: the unit will automatically shut down after about 3 minutes when it is turned on in the unmeasured state, and the automatic shutdown function will be re-timed if any key is pressed when it is not turned off.

3.HOLD function: When the instrument is pulled out after the measurement, the “HOLD” indicator flashes on the screen, indicating that the measurement data has been locked, and will be automatically released in about 10 seconds. If the data needs to be released quickly, please directly insert into the circuit for measurement or short press (⏻) to clear the lock.

4.GFCI function: If the GFCI function is tested, please test on the line with correct wiring and circuit breaker installed. Short pressing TES key will generate 6mA～9mA leakage current to the ground wire, which will trip the circuit breaker in the line within about 3 seconds. If the trip is successful, the LCD will display the trip time to indicate that the line is normal. If not, the LCD will display more than 5 seconds, and there may be wiring error or circuit breaker failure, please find a professional electrician for maintenance.



Schematic diagram of trip success

6. Measurement

1. When the detector is turned on and not connected to the circuit, the screen displays an OPEN HOT prompt that the circuit is not connected, as shown in Figure (1).



(Figure 1)

2. CORRECT wiring: When the instrument is connected to the socket, the screen displays the voltage value and“CORRECT” as shown in Figure (2), and the green light indicates correct wiring.



(Figure 2)

3. The neutral wire is open: When the instrument is connected to the socket, the screen displays “OPEN NEU” and the voltage between the hot wire and the ground wire is greater than AC 30V, as shown in Figure (3), and the red light indicates the wiring error.



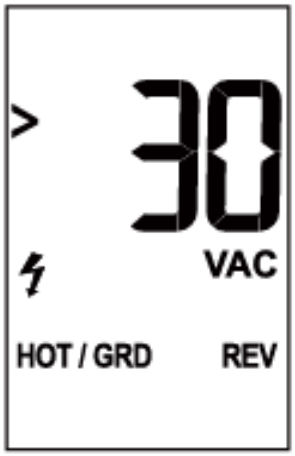
(Figure 3)

4. The ground wire is open: When the instrument is connected to the socket, the screen displays “OPEN GRD” and the voltage value of between hot wire and neutral wire as shown in Figure (4), and the red light indicates the wiring error.



(Figure 4)

5. Hot wire and ground wire are connected reversely: When the instrument is connected to the socket, the screen displays “HOT/GRD REV” and the voltage between hot wire and ground wire greater than AC 30V, as shown in Figure (5), and the red light indicates wiring error.



(Figure 5)

6. Hot wire and neutral wire are connected reversely: When the instrument is connected to the socket, the screen displays “HOT/NEU REV” and the voltage value between hot wire and neutral wire as shown in Figure (6), and the red light indicates the wiring error.



(Figure 6)

7.Battery replacement

⚠	In order to avoid electric shock or casualties caused by wrong measurement, the battery should be replaced immediately when the symbol " "appears on the screen. Before replacing the new battery, the instrument should be pulled out from the circuit under test. After replacing the battery, install the battery cover and tighten the fixing screw for use.

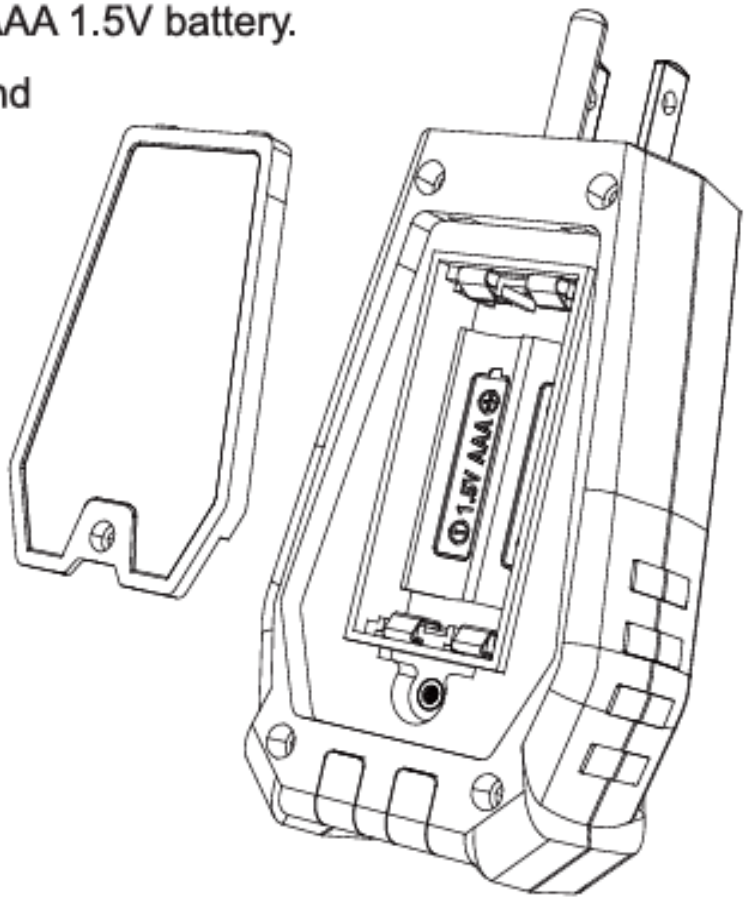
① Use a screwdriver to remove the screw of the battery cover.

② Remove the battery cover.

③ Remove the old battery.

④ Replace with the new 2×AAA 1.5V battery.

⑤ Install the battery cover and tighten the fixing screws.



USER'S MANUAL

Made in china

CE RoHS

M101040070

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