REED

Model R5300

Continuity Tester

Instruction Manual

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Safety

The following safety information must be noted to ensure maximum personal safety during operation of this product:

- Do not use the tester on any live wire. The tester can only be used on non-energized wires or cable.
- Before use, verify the instrument's operation by measuring known wires by using both local and remote continuity tests.
- Do not use the tester if it operates abnormally.
- Adhere to local and national safety regulations and follow normal safety precautions when working with electrical circuits.
- To avoid electric shock, do not touch conductors which contain dangerous voltage.

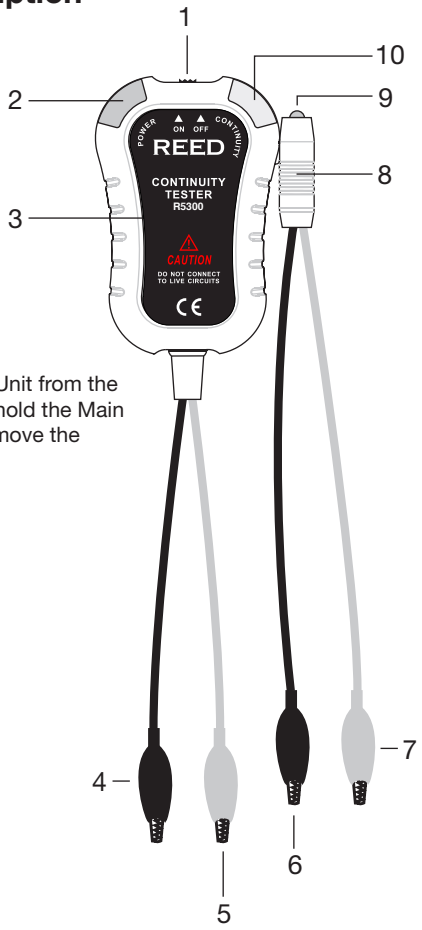
Features

- Local and remote continuity tester
- Visual and audible indicators
- Remote probe allows for one person operation
- Capable of testing cables/wires up to 10,000 ft (3000m)
- Includes battery

Instrument Description

1. Power Switch
2. Power LED
3. Main Unit
4. Black Clip
5. Red Clip
6. Black Clip
7. Red Clip
8. Remote Unit
9. Bi-Color LED
10. Continuity LED

Tip: To remove the Remote Unit from the Main Unit, use one hand to hold the Main Unit and use other hand to move the Remote Unit upwards.



Specifications

Wire Verification Distance	10,000 feet (3000 meters)
Minimum Wire Size	26 gage
Power Supply	9V battery
Product Certifications	CE
Visual Indicator	Yes (Green and Red LEDs)
Audible Indicator	Yes (Pulsating Beeper, approx. 85 dB)
Fuse Protection	0.5A/250V
Continuity Confirmation	Equal to or less than 2.0 K Ohms
Operating Temperature	14 to 113°F (-10 to 45°C)
Operating Humidity	0-85%
Storage Temperature	14 to 122°F (-10 to 50°C)
Dimensions	4.5 x 3 x 1.1 “ (115 x 75 x 29mm)
Weight	3.9oz (111g)

Operating Instructions

Remote Continuity Test

Remote continuity testing requires both the Main Unit and Remote Unit. This test is mainly used for verification of continuity for cable/wires, or identification of cable/wires. Ideally used for testing cable TV, electrical cables, and telephone/speaker wiring in multi-room or multi-floor installations. The remote continuity test mode can be used to check continuity and identify two, three or more cables/wires by applying simple logic and testing strategy.

1. Turn on the Main Unit and the Power LED light will turn green. If LED light does not turn on, replace the battery.
2. Refer to Figure 2, attach the red and black clips of the Main Unit to one end of cable/wires under test, then go to the other end of the cable/wires and connect them to the test leads of the Remote Unit.
3. If continuity exists, the bi-color LED of the Remote Unit will flash either green or red depending on the Remote Unit leads orientation. Meanwhile the Main Unit will beep and the continuity LED will flash red.

4. If the red clip of the Main Unit is connected to wire under test to the red clip of the Remote Unit and the black clip of the Main Unit is connected through wire under test to the black clip of the Remote Unit, then the bi-color LED flashes green indicating correct connection orientation.
5. If the bi-color LED flashes red, this indicates the Remote Unit leads are not correctly connected. Reverse the Remote Unit leads and the bi-color LED will flash green.
6. Once the bi-color LED flashes green, the connections are correct.

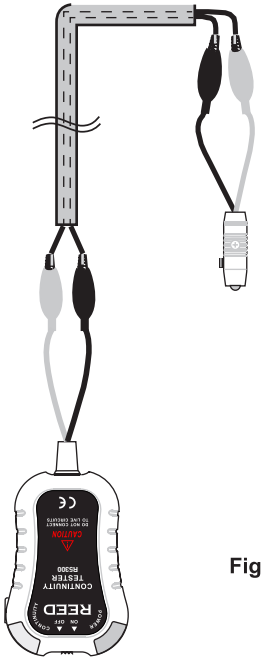


Figure 2

Local Continuity Test

Using only the Main Unit you can test in-wall wiring at different locations in the same room. Other applications include; test fuses, bulbs, relay contacts, switches, diodes and circuit breakers, etc.

1. Turn on the Main Unit, the power LED lights green. If the power LED does not light, replace battery.
2. To check same room wiring runs, attach the red and black clips of the Main Unit to two wires on one end of the multi-wire cable under test and let the Main Unit hang on wires.
3. Go to other end of same cable and momentarily connect two wires of the cable together.
4. When continuity is found, the Main Unit will beep and the continuity LED will flash red.
5. To test other devices, connect the Main Unit's leads to device terminals in any* lead orientation (red or black). If device has internal electrical connection, the Main Unit will beep and the continuity LED will flash red indicating continuity.

**Exception*

When you test a diode, the Main Unit's red lead is positive and the Main Unit will indicate continuity when the red lead is connected to the anode of the diode and the black lead is connected to the cathode of the diode. If the connections are reversed and the diode is good, the Main Unit will not indicate continuity.

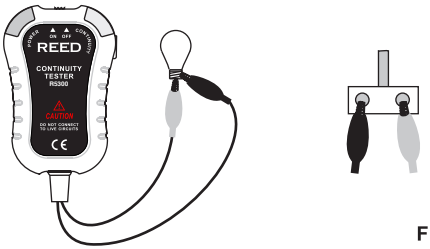


Figure 3

Battery Replacement

1. Before removing the battery, turn off the instrument and disconnect it from all cables or circuits under test.
2. Unscrew the battery cover and remove.
3. Replace the old battery with a new battery.
4. Reinstall the battery cover with screw.

Note: To avoid damage, do not pull battery connector cable with force when replacing battery.

For service on this or any other REED product or information on other REED products, contact REED Instruments at info@reedinstruments.com.

Notes

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