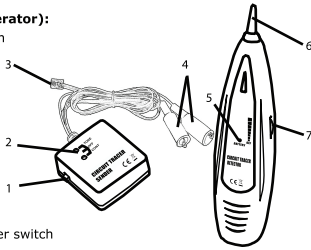


Wire Tracer & Circuit Tester with RJ-11 Plug and Alligator Clips

Sender (Tone Generator):

1. Mode/Power switch
2. LED indicators
3. RJ-11 plug
4. Alligator clips



Detector:

5. Battery indicator
6. Detector probe
7. Volume knob/Power switch

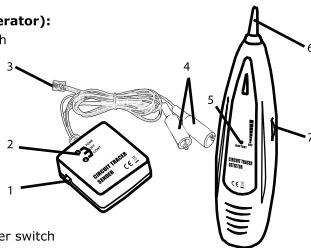
Specifications

Maximum length of cable tested	Allows for sending tone up to 328 ft / 100 m (the wire being traced is connected to power)
Frequency (nominal)	1.1 to 1.4 kHz for Sender; more than 30 Hz for Detector
Power	two 6F22/9V batteries (not included)
Dimensions	Sender: 2.8 x 2.6 x 1.2 inch / 7 x 6.5 x 3 cm Detector: 8.5 x 2 x 1.4 inch / 21.5 x 5 x 3.5 cm
Weight	Sender: 3 oz / 85g Detector: 83.3 oz / 95g
Agency certifications and standards met	CE marking: EN 61000-6-3:2007 +A1:2011+AC:2012 EN 61000-6-1:2007

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Things to do before using...

Battery Installation/Replacement

The Wire Tracer & Circuit Tester requires two 9V batteries to operate. Remove the battery covers to insert them into the Sender and Detector.

Self Check

1. Switch the Sender to TONE mode and turn on the Detector.
2. The RED LED on both units should light up. If not, please check the battery power.
3. Approach the Sender with the Detector probe and listen for an audible tone.

Continuity Testing

1. Remove all power and loads from the circuit to be checked.

2. Connect the Sender's leads to two points on the circuit.
3. Switch the Sender to CONT mode. The GREEN LED will light up if resistance between the two points is less than 10k ohms. The intensity of the LED light indicates the resistance between the two points. The higher the resistance is the dimmer the LED light.

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Wire Tracing

1. Connect the test leads using one of the ways:
 - Connect the RED alligator clip to the wire being tested and connect the BLACK alligator clip to electrical ground.
 - Or, to test a phone line, insert the RJ-11 Plug into the phone socket.
2. Switch the Sender to TONE mode and turn on the Detector. Make sure the RED LED lights up both units.
3. Move the Detector probe close to the wire under test and listen for an audible tone. Move along the wire without losing the tone. If the volume gets lower, it means the probe is getting farther from the wire.
4. If you can't pick up any signal from the wires around or if the audible tone is too soft, try turning up the Volume knob to the minimum level needed. (Turning up the volume also increases amplification of noise.)
5. Switch the Sender and Detector to OFF and disconnect the test leads after use.

Identifying Telephone Tip and Ring Lines

1. Switch the Sender to OFF.
2. Connect the BLACK alligator clip to ground and connect RED alligator clip to a line in the telephone socket.
3. LED lights help identify the status of the line:
 - GREEN LED - RING line
 - RED LED - TIP line
 - GREEN LED & RED LED - AC current is present

Determining Telephone Line Status

1. Switch the Sender to OFF.
2. Insert RJ-11 Plug into the phone socket, or connect RED alligator clip to RING line and BLACK clip to TIP line.
3. LED lights help identify the status of the line:
 - A bright GREEN LED - clear line
 - A dim Green LED - busy line
 - GREEN LED & flashing RED LED - ringing line

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Usage Tips

- ▶ **Do NOT connect to a DC circuit exceeding 42 volts or an AC circuit exceeding 24 volts.**
- ▶ To receive a better signal from the Sender, place the Detector as close as possible to the wire you wish to trace.
- ▶ The thickness and the material of the wall may affect the signal transmission between the Detector and the wire behind the wall.
- ▶ The Detector cannot detect a signal when:
 - a metallic object is blocking the signal
 - the Sender or Detector is running out of battery
 - the wire under test connects to other wires, reducing the signal strength in each.
 - the distance from the Sender is too far (over 328 ft / 100 m)
 - trying to detect a wrong wire or a wire with breaks
- ▶ To extend battery life, always turn off the Sender and Detector after use. Remove the batteries if the device will be unused for a long period of time.

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Maintenance & Safety

- ▶ Clean the Wire Tracer & Circuit Tester with a damp cloth and mild detergent. Do not use solvents.
- ▶ Do not place or use the Wire Tracer & Circuit Tester in high-temperature conditions or near a fire.
- ▶ Keep the Wire Tracer & Circuit Tester away from water and other liquids.
- ▶ Do not attempt to repair the Wire Tracer & Circuit Tester unless you are qualified to do so.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



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We hope you enjoy using this product. If you wish to provide any feedback to help us improve or if you have any difficulties with this product, please contact us through our website listed below.



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