Test-Um Inc.
The Intelligent Test Solutions Company

Part No.**TP400**

Speaker Seeker™

Cable Tracer & Wiremapper

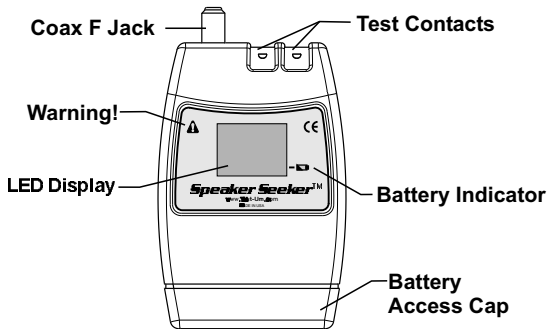### Operating Instructions

We Make It **BEST** in the **USA**

Features

- Wiremap up to 20 audio, coax, or security/alarm cable runs at a time
- Auto-On and Auto-Off
- Low Battery Indicator
- Voltage Detection and Warning
- High Intensity LED display readable in any lighting environment
- Alligator Clip and F-Connector contacts
- Rugged test contact surfaces with through holes for test probe test
- Coax to Alligator Clip adapter (LB32) included
- Set of 20 individually numbered alligator clip wiremappers (TP315) included

The Speaker Seeker™ is designed to quickly wiremap up to 20 speaker, coax, or security/alarm cables at a time. The LED displays the unique number of the remote identifier attached to the other end of the cable run. When the Speaker Seeker detects a condition other than an open circuit it powers up automatically and displays the results until disconnected. If the Speaker Seeker detects a short, the LED displays SH. When voltage is detected, "lightning bolts" appear. To conserve battery life, the Speaker Seeker powers down automatically if the connection is not removed in approximately 2.5 minutes.

Warning! Do not connect to live AC circuits. This could cause an extreme shock hazard and damage the Speaker Seeker.

Coax F Jack — Test Contacts

Warning!

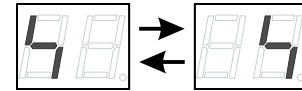LED Display — Battery Indicator

Battery Access Cap

Instructions For Use

Put one wiremapper remote on the far end of each cable run you want to identify. For unterminated speaker, alarm or security cables simply touch the stripped end to the test contacts on the Speaker Seeker body and the respective remote number will illuminate on the LCD, 1 thru 20. For unterminated coax cables an adapter cord is provided (LB32). Clip one alligator clip to the cable shield and one to the center conductor to get a number reading.

Note: For terminated coax Test-Um's TP311 coax wiremapper set can be used. This set is comprised of 20 indivudally numbered wiremapper remotes with push-on F connector plugs.

When voltage is detected "lightning bolts" appear
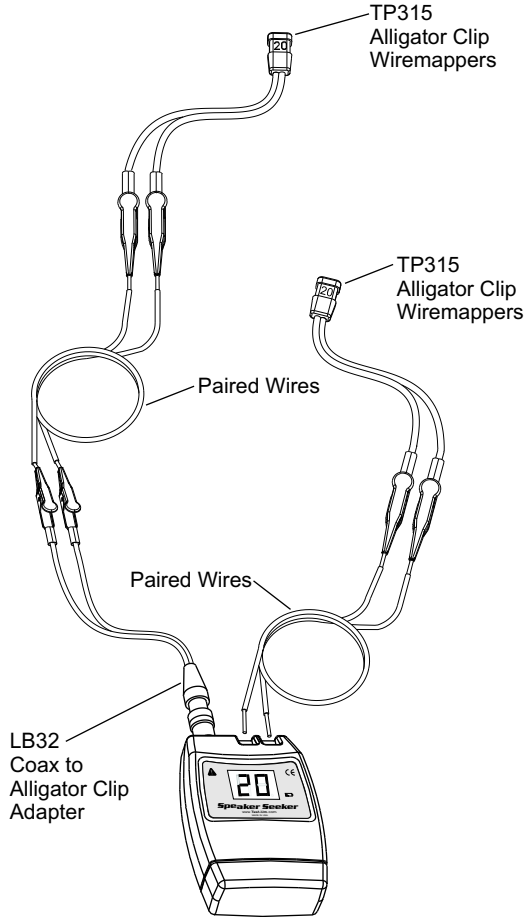

When a short circuit is detected "SH" is displayed.

When the battery is low, the round indicator to the left of "BATT LOW" will be on and the battery should be replaced.

BATT LOW

Wiremap Configuration

TP315
Alligator Clip
Wiremappers

TP315
Alligator Clip
Wiremappers

Paired Wires
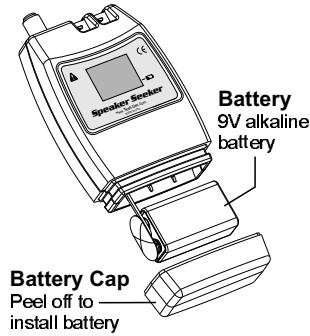
Paired Wires

LB32
Coax to
Alligator Clip
Adapter

Battery Installation

Battery not included. Follow the instructions below to install the battery.

1) Remove rubber battery cap by peeling back a corner until it pops off.
2) Connect 9 volt Alkaline battery to battery snaps.
3) Slide battery into cavity and snap cap in place.

Note: The cable testing results will become unreliable when the battery reaches about 4.5 volts.

Battery
9V alkaline battery

Battery Cap
Peel off to install battery

Optional Accessory

TP311 - Set of 20 individually numbered coax wiremappers

Specifications

Physical Dimensions
Size: 12 x 7 x 3 cm (4.75 x 2.75 x 1.2 inches)
Weight: 145 grams (5.1 oz.) with battery

Environmental
Operating temperature:
0 to 50 $^{\circ}$C (32 to 122 $^{\circ}$F)
Storage temperature:
-40 to 70°C (-40 to 158 $^{\circ}$F)
Humidity:
10% to 90%, non-condensing

Battery Life (Alkaline 9V battery)
Used continuously in one of the following modes:
Standby: 2.5 years
Testing: 20 hours

Cable Resistance:
100 ohms maximum DC resistance, sum of both conductors

Input Protection:
Up to 100V DC or AC-RMS continuous
200V peak for 5 seconds maximum

Warranty

Test-Um Inc. guarantees that its products will be free of all defects in material and/or workmanship. This warranty extends for a period of 12 months for the test instrument and 3 months for the cables from the date of manufacture or proof of purchase. All Speaker Seekers deemed defective under this warranty will be repaired or replaced at Test-Um's discretion. No further warranties either implied or expressed will apply, nor will responsibility for operation of this device be assumed by Test-Um Inc.

Returning Equipment

To return a Speaker Seeker, you must obtain a Return Merchandise Authorization (RMA) number from Test-Um's Customer Service department by calling (805) 383-1500 or emailing support@test-um.com. The RMA number must be clearly marked on the shipping label or container.

Shipping

1. Ship the equipment with a copy of the sales receipt, if available.
2. Attach a description of the operational problem.
3. Include a contact name, phone number, and email address.
4. Pack securely to prevent damage during shipping.
5. Ship prepaid to:
   Test-Um Inc.
   Attn: RMA XXXX
   808 Calle Plano
   Camarillo, CA 93012