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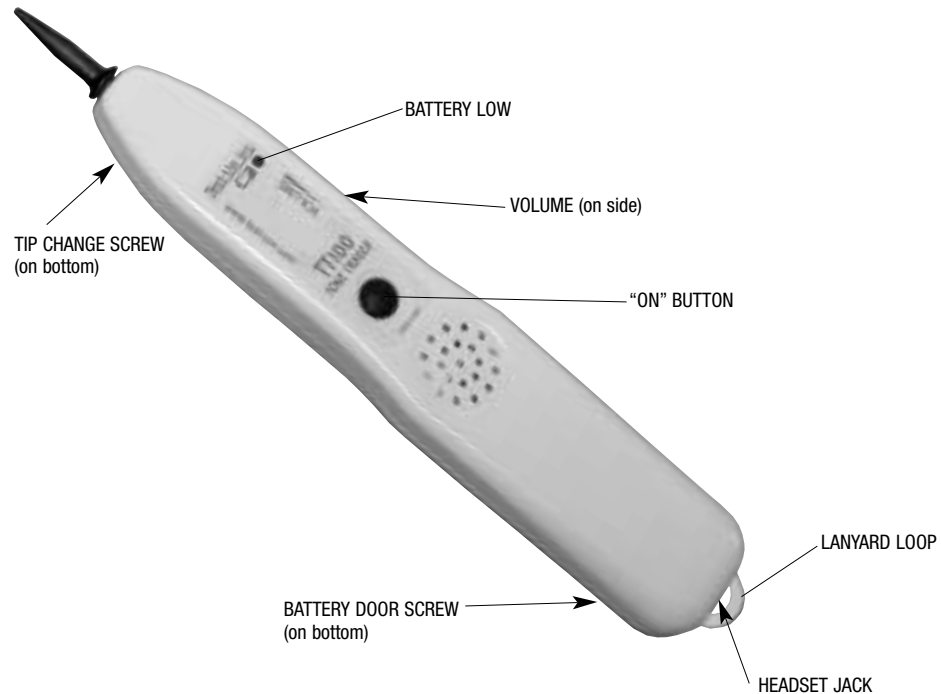
Test-Um Inc.
The Intelligent Test Solutions Company

Part No.
TT100

Tone Tracer Operating Instructions

Features

- Ergonomic shape with soft edges
- Volume control
- Recessed "on" switch
- Tip replacement without opening case
- Battery low indicator
- Headset jack for *Lil' Buttie* headset or standard cell phone headset
- Duckbill and round tips included
- Lanyard attachment point



Warning!

Do not touch to live AC circuits. This could cause an extreme shock hazard and damage the TT100.

Instructions for Use

To trace a tone

- 1) Connect an audio frequency tone generator, such as the Test-Um TG100, to cable to be traced.

Application Hints

When tracing wires terminated to a terminal block such as a “66 block”, attaching both generator leads to the cable or pair tends to contain the signal within the cable. The tracer must nearly touch the end of the cable to detect the signal, which is helpful when the wires are close together, as when terminated.

When tracing along cable runs and to maximize radiated signal, connect one lead of the generator to the wire or cable, and the other end to ground (case of an electrical box,

electrical conduit, metallic water pipe or ground rod). If no ground is available, do not connect the other lead to anything — let it dangle as near to the earth as possible. Connect the generator to the ungrounded shield of a coax cable. The shield will do its job, if connected to the center lead.

- 2) Press the recessed black button to turn on the TT100. The power is on only as long as the button is being pressed. The battery low LED flashing on during turn on and turn off is normal.
- 3) Adjust volume to a comfortable level. If the signal is very loud when near the cable, the volume may need to be reduced to keep from overloading the TT100. When overloaded, small increases or decreases in the signal at the tip cannot be heard.
- 4) Hold tip of TT100 near cables to be identified. The signal will be loudest on the wire or cable with the generator attached to it. Separating the wires or cables may help in identifying the correct one.

To Use Headset

- 1) Insert 2.5 mm headset plug into end of TT100 by the lanyard loop, be sure to fully seat the plug into the jack. The speaker is automatically disconnected.
- 2) Proceed as in the preceding section.

To Change the TIP

- 1) Remove screw nearest to the tip on the back of the TT100 with a #1 Philips screwdriver.
- 2) Pull the tip out of the front.
- 3) Push new tip into front.
- 4) Replace screw and tighten (about 4 in-lbs), being careful not to over tighten.

Battery Replacement

When the battery low LED is on continuously whenever the “on” button is being pressed, replace the battery.

- 1) Remove screw at the back of the TT100 with a #1 Phillips screwdriver. Remove battery door.

- 2) Remove old battery and disconnect from battery leads.
- 3) Snap battery leads onto new battery (9 volt, alkaline). Place battery in case.
- 4) Replace battery door and screw. Do not over tighten.

Accessory Parts

- LB40 *Lil' Buttie* Mini Headset (compact, over the ear style)
- LB45 *Lil' Buttie* Deluxe Headset (full head band style)
- TT30 Replacement Round Tip
- TT35 Replacement Paddle Tip
- PC100 Pouch for TT100