

# **Tone Tracer, High-sensitivity**

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## **User's Guide**

[www.jdsu.com/know](http://www.jdsu.com/know)







Tip Change  
Screw  
(on bottom)

Battery Low

Volume  
(on side)

"ON" Button

Battery Door Screw  
(on bottom)

Lanyard Loop

Headset  
Jack

## ***Warning!***

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

## **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

# Instructions for Use

## To trace a tone

- 1) Connect an audio frequency tone generator, such as the 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.

## Models, options & accessories

Order number	Description
TT100	Tone Tracer
TT35	Replacement paddle style tip for probes
TT30	Replacement round tip for probe
LB40B	Headset with boom microphone, mini over-the-ear, 2.5mm jack
LB45B	Headset with cushioned ear piece, full over-the-head, 2.5mm jack
PC100	Nylon pouch for one tone tracer
KP100	Tone generator TG100 with alligator clips & probe TT100 Kit in a nylon pouch
KP101	Tone generator with angled bed-of-nails clips TG101 & probe TT100 kit in a nylon pouch



KP104	Turbo-Tone high power tone generator with angled bed-of-nails clips TG201 and probe TT100 kit in a nylon pouch
KP105	Turbo-Tone high power tone generator with alligator clips TG200 and probe TT100 kit in a nylon pouch
KP106	Latch-Test security/alarm tone generator with alligator clips TG300 & probe TT100 in a nylon pouch
KP300	Lil' Buttie telephone test set with angled bed-of-nails clips LB110, tone generator with alligator clips TG100 & probe TT100 probe in a nylon pouch
KP400	Lil' Buttie Pro telephone test set with angled bed-of-nails clips, tone generator TG100 & probe TT100 in a nylon pouch
KP401	Lil' Buttie Pro telephone test set with angled bed-of-nails clips, Turbo-Tone tone generator with alligator clips & probe TT100 in a nylon pouch

# Customer Services

This section provides a description of customer services available through JDSU (including returns policies and procedures) and warranty information.

## **Customer Service (Standard Services)**

Customer Service accompanies the sale of every JDSU product. Customer Service services include:

- Technical Assistance (Business Hour)
- Instrument Repair (Under Warranty Repair, Calibration Services, and Upgrade Services)
- Immediate Return Authorizations

***Technical Assistance*** Expert business hour technical support is included with your product.

***Instrument Repair*** Our service centers provide repair, calibration, and upgrade services for JDSU equipment. JDSU understands the impact of equipment down time on operations and is staffed to ensure a quick turnaround. Available services include the following:

*Product Repair* — All equipment returned for service is tested to the same rigorous standards as newly

manufactured equipment. This ensures products meet all published specifications, including any applicable product updates.

*Calibration* — JDSU's calibration methods are ISO approved and based on national standards.

*Factory Upgrades* — Any unit returned for a hardware feature enhancement will also receive applicable product updates and will be thoroughly tested, ensuring peak performance of the complete feature set.

***Equipment Return Instructions*** Please contact your regional Technical Assistance Center to get a Return or Reference Authorization to accompany your equipment. For each piece of equipment returned for repair, attach a tag that includes the following information:

- Owner's name, address, and telephone number.
- The serial number (if applicable), product type, and model.
- Warranty status. (If you are unsure of the warranty status of your instrument, contact Technical Assistance.)
- A detailed description of the

problem or service requested.

- The name and telephone number of the person to contact regarding questions about the repair.
- The return authorization (RA) number (US customers), or reference number (European Customers).

If possible, return the equipment using the original shipping container and material. If the original container is not available, the unit should be carefully packed so that it will not be damaged in transit; when needed, appropriate packing materials can be obtained by contacting JDSU Technical Assistance. JDSU is not liable for any damage that may occur during shipping. The customer should clearly mark the JDSU-issued RA or reference number on the outside of the package and ship it prepaid and insured to JDSU.

## Warranty Information

JDSU guarantees that its products will be free of all defects in material and workmanship. This warranty extends for the period of 12 months for test instruments and 3 months for cables from date of manufacture or purchase (proof of purchase required).

All product deemed defective under this warranty will be repaired or replaced at JDSU's discretion. No further warranties either implied or expressed will apply, nor will responsibility for operation of this device be assumed by JDSU.



### **WEEE Directive Compliance**

JDSU has established processes in compliance with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC. This product should not be disposed of as unsorted municipal waste and should be collected separately and disposed of according to your national regulations. In the European Union, all equipment purchased from JDSU after 005-08-13 can be returned for disposal at the end of its useful life. JDSU will ensure that all waste equipment returned

is reused, recycled, or disposed of in an environmentally friendly manner, and in compliance with all applicable national and international waste legislation. It is the responsibility of the equipment owner to return the equipment to JDSU for appropriate disposal. If the equipment was imported by a reseller whose name or logo is marked on the equipment, then the owner should return the equipment directly to the reseller. Instructions for returning waste equipment to JDSU can be found in the Environmental section of JDSU's web site at [www.jdsu.com](http://www.jdsu.com). If you have questions concerning disposal of your equipment, contact JDSU's WEEE Program Management team at [WEEE.EMEA@jdsu.com](mailto:WEEE.EMEA@jdsu.com).



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