

Part No. LB300

# Resi-Talker™

## Operating Instructions

### Caution

Please follow correct safety practices when operating this unit. Do not connect this unit to 110 volt or 220 volt AC electric power lines. Correct operation is entirely the responsibility of the user. Should the Resi-Talker™, intentionally or by accident, be connected to electric power, all warranties are immediately null and void.

### GENERAL DESCRIPTION

Test-Um's Resi-Talker™ is a self-contained, self-powered, portable telephone test set for use by installers, repair technicians, and other authorized personnel for temporary communications and to test the operational service and installation of telephone/data lines.

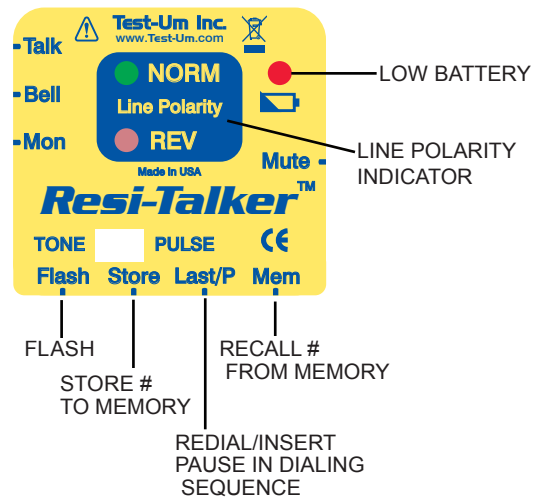
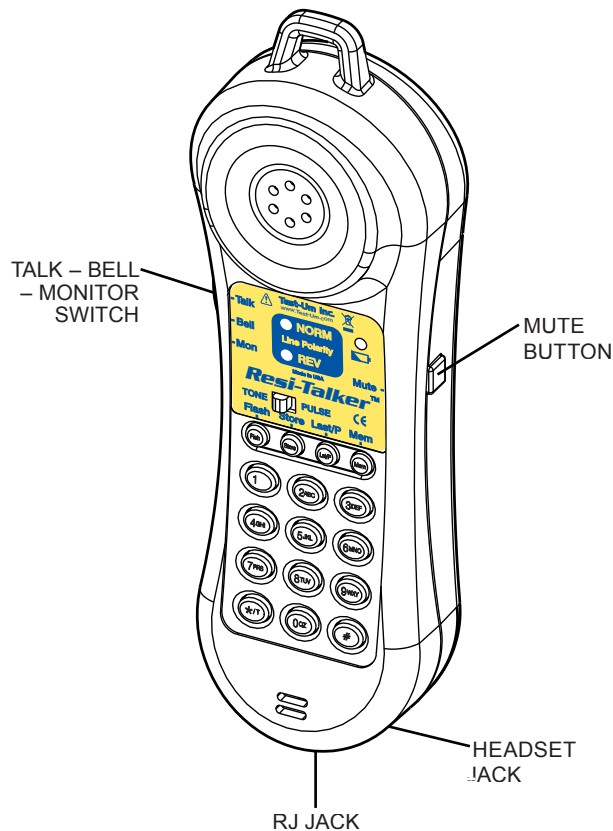
### FEATURES

- Tone and Pulse Dialing
- Microphone Mute Feature
- Last Number Redial - 32 Digits
- Continuous Line Polarity Indication (TALK or MONITOR)
- Electronic Ringer
- Amplified Line Monitor for volume levels comparable to "off hook" operation.
- Modular cord set attachment
- Low Battery Indicator
- Headset Jack for hands-free operation
- Battery-Powered Monitor Mode with auto power off on dead lines or when disconnected

A compact size and comfortable ergonomic shape makes it small enough to carry in your pocket or to wear on your belt, while still retaining the normal earpiece-to-microphone dimensional spacing for comfortable use while resting on the shoulder.

The body is made of high impact resistant ABS to withstand the rough handling and shocks that craft tools are normally subjected to in their everyday use. The modular jack cord allows for easy field replacement or direct connection to modular wall jack with a standard phone cord set.

### FUNCTION SWITCHES, BUTTONS, AND LEDS



**Talk-Bell-Monitor Switch** This three-position slide switch is located on the side of the unit below the receiver. It is used to select the mode of operation.

**Talk** This position creates an off-hook condition. In this mode, the unit can be used for signaling, conversation and testing, just like an ordinary telephone.

**Bell** This position connects the internal electronic ringer for receipt of incoming ring signals. This on-hook mode also isolates both the testing and speech circuits from the line.

**Monitor** The battery is off in this mode. This position connects the test set through a high impedance coupling. This on-hook connection allows for telephone line monitoring without disturbing conversations, network signaling, or data transmissions. In this mode, the unit's speech, ring and test circuits are isolated from the line.

**Tone-Pulse Switch** This two-position slide switch is used to select the dialing mode. The TONE position selects DTMF signaling. The PULSE position selects rotary style pulse dialing.

**Mute** This button is located on the opposite side of the Talk-Bell-Monitor switch. Press and hold to shut the unit's transmitter off. This feature may also be used to improve communications in noisy locations where it is difficult for the user to hear a person on the other end of the line.

**Flash** When pressed, causes a 0.6 second interruption of the loop current (hook flash). Usually used for register recall, to put a call on hold, to activate a second line, or where some special function needs to be activated.

**\*T** When pressed in pulse mode, switches from PULSE to TONE dialing mode.

**Store** Press Store, enter the number you wish to store, press Store and the location on the numeric keypad (0-9) where you wish to store the number. Ten 17 digit numbers can be stored.

**Last/P** When pressed first, the last number dialed will be redialed from the unit's internal memory. When pressed after another digit, a pause of approximately 3.6 seconds is inserted in the dialing sequence for PBX or Centrex switch dialing or other systems that require an intermediate access digit in order to access a line.

**Mem** To retrieve a stored number, press Mem and the numeric key (0-9) you stored the number to and the number will be automatically dialed.

# Test-Um Inc.

The Intelligent Test Solutions Company

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## Line Polarity Indicators

**NORM** A green LED indicates correct polarity

**REV** A red LED indicates reversed line polarity

**Battery Low (BATT LOW)** When operated in the Monitor or Talk mode, the LED will light up if low battery voltage is detected.

## OPERATION

NOTE: Always position the Talk-Bell-Monitor Switch in the Monitor position before connecting to a subscriber line to avoid possibly compromising any transmission in progress.

## Connecting to a Line

Monitor 1. Select the Monitor mode.

2. Connect the RED cord set lead to Ring (-) and BLACK cord set lead to Tip (+).
3. NORM or REV polarity LED will come on if the line is powered. Listen for voices, ambient noise, or buzzing sounds, indicating digital data.

Note: If detected, the Low Batt LED will indicate a low operating voltage in this mode.

Dialing 1. Select the Monitor mode.

2. Connect the RED cord set lead to Ring (-) and BLACK cord set lead to Tip (+).
3. Confirm that the line is not in use.
4. Position the Tone-Pulse Switch to either tone or pulse dialing.
5. Select the Talk mode and confirm that dial tone is present.
6. Proceed with dialing, line testing, etc.

**Mixed-Mode Dialing** In certain situations, it may be necessary to set up a call using both Pulse and Tone dialing. In this situation, a number can be entered in the Pulse mode then by pressing the \*T button, the unit will switch to Tone mode so that tones can be sent to devices such as answering machines, etc. that are activated by specific tone codes.

**Last Number Redial** The last number dialed can automatically be redialed in either the Tone or Pulse modes. To redial the last number, switch from Talk to Monitor then back to Talk mode. Once you have confirmed a dial tone press the Last/P button on the keypad.

Ringer 1. Select the Bell mode.

2. Connect the RED cord set lead to Ring (-) and BLACK cord set lead to Tip (+).
3. The unit will now "ring" when ringing voltage is detected on the line.
4. To answer the call, switch the unit to TALK.
5. To disable the ringer, switch the unit to MONITOR mode.

**Polarity Check** The Resi-Talker™ indicates Polarity continuously in Monitor and Talk modes as long as the line is powered.

1. To test, select the MONITOR or TALK mode.
2. Connect the BLACK cord set lead to Ring (+) and RED cord set lead to Tip (-).
3. The red LED will light up if the leads are reversed and the green LED will light up if the polarity is correct.

## OPTIONAL CORD SETS

The Resi-Talker™ is designed with a standard 6-position modular jack for quick connection to various cord sets. The jack is located at the base of the unit below the microphone.

## Bed of Nails Cord Set (LB30B)

48" cord set with RJ11 modular plug and strain relief grommet on one end and bed of nails option in the clip on the other end.

## Alligator Cord Set (LB10B)

Same description as the standard cord set, except for the substitution of alligator clips.

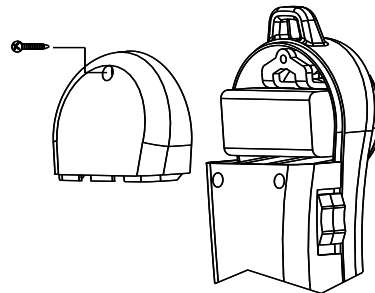
## OPTIONAL ACCESSORIES

For a complete description of optional Field Kits and accessories, visit our web site [www.test-um.com](http://www.test-um.com).

## BATTERY INSTALLATION

Battery not included. Should the Batt Low LED indicate low battery, the battery should be replaced as shown below.

1. Using a #1 Phillips screwdriver, unscrew and remove the battery cover on the back of the Resi Talker.
2. Connect a 9V Alkaline battery to the battery snaps.
3. Slide the battery into the cavity.
4. Close the battery cover and replace the screw. Do not overtighten. When the battery is low, the round indicator light above the battery icon will be on and the battery should be replaced as soon as possible.



## SPECIFICATIONS

### Electrical

Return Loss — @ 600 ohms: Greater Than 14dB

Line Current Range: 15 to 85 mA

Apparent Line Resistance: 275 ohms at 20mA

### Rotary Dial Output

Pulse Rate: 10 pps +/- 10%

M/B Ratio: 60/40% +/- 2 %

Interdigit Interval: 820 mSec

Leakage During Break: >120 Kohms

### DTMF Output (into 600 ohms)

Tone Frequency Error: +/- 1.5%

Tone Level —

High Group: -6dBm +/- 2dB

Low Group: -8dBm +/- 2dB

High vs Low Tone Difference: 2dB +/- 1dB

### Memory Dialing

Type: Last Number Redial

Mode: Tone and Pulse

Retention: with battery > 2yrs, without 8 min. nominally

Capacity: 32 Digits

### Ringer

Electronic Dual Tone

### Physical

Length without Lanyard: 7.25 in (18.4 cm)

Width: 2.50 in (6.4 cm )

Height: 1.68 in (4.3 cm )

Weight with Cord Set: 8 ozs. (227 gms)

### Environmental

Temperature —

operating: -10°C to 60°C

storage: -40°C to 66°C

Specifications subject to change

## MAINTENANCE

The test set may be cleaned with a damp cloth. If heavy accumulations of dirt are present, a small amount of liquid soap may be applied to the cloth to assist in cleaning. Do not use solvents, scouring powders, or other abrasive cleaners as they may scratch the unit and/or cause malfunctions.

Cord sets should be periodically checked for shorts, continuity, or obvious signs of wear, such as fraying or loose/damaged test clips.

## WARRANTY

Test-Um Inc. guarantees that its products will be free of all defects in material and workmanship. This warranty extends for a period of 12 months for the portable telephone test set and 12 months for the cord set from the date of manufacture or proof-of-purchase.

All product 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 of this device be assumed by Test-Um Inc.



WEEE Compliant: Prior to disposal of this product, please contact Test-Um Inc. for proper disposal options.

## SHIPPING

Before returning any product to Test-Um Inc., you must first request a Return Merchandise Authorization Number by contacting our Customer Services Dept. at 805-383-1500.

1. No shipments will be accepted without this number, which must be clearly marked on the shipping label.
2. Ship the equipment with a copy of the sales receipt, if available.
3. Attach a description of the operational problem.
4. Include a contact name, phone number, and e-mail address.
5. Pack securely to prevent damage during shipping.
6. Ship prepaid to: Test-Um Inc.

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## SUPPORT SERVICE

For technical information and support, please visit [www.test-um.com](http://www.test-um.com) or send email to [support@test-um.com](mailto:support@test-um.com).