

Pair Identification and much, much more

TX916 Loop a Line™

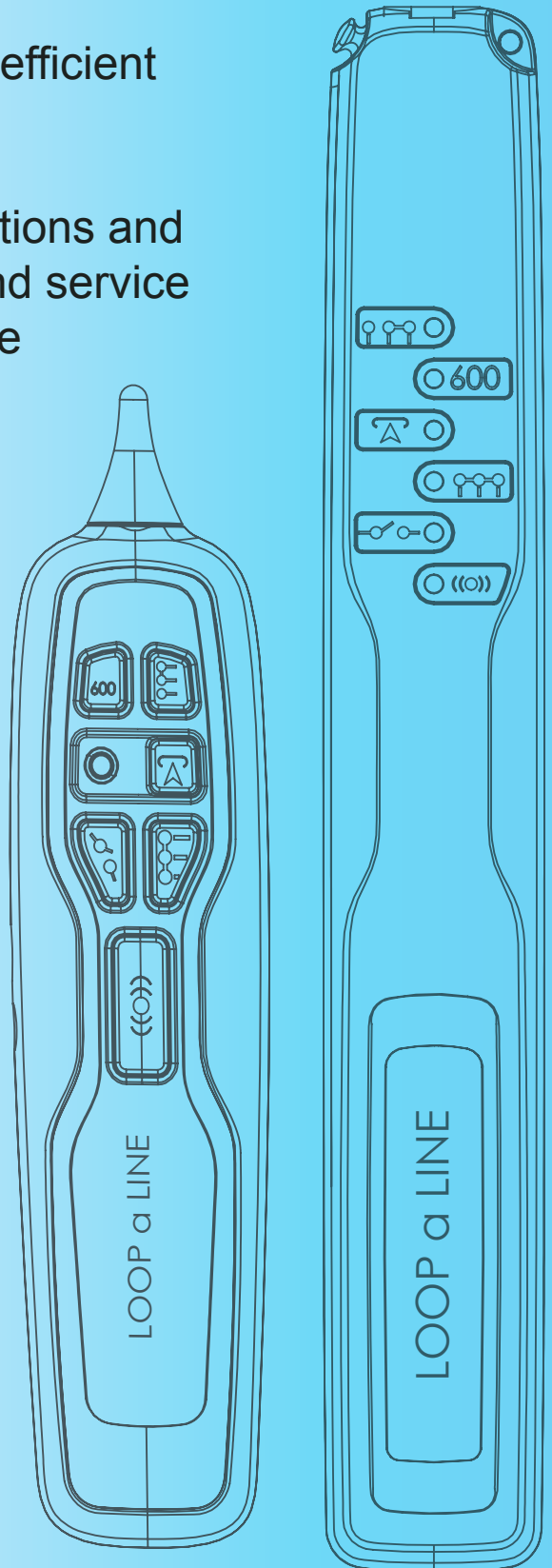
New improved model

TX916, the new improved Loop-a-Line for efficient telephone installation and repair.

The TX916 is ideal for new service installations and repairs. Cable faults will be found faster and service restored more quickly with the TX916 in the technician's tool kit.

Using the Probe, identify the pair and control the line termination at the oscillator

- Open Circuit
- Short Circuit
- Connect Service
- 600 Ω quiet line
- Pair short circuit detection



Teletech

TX916 Loop a Line™



A proven concept in cable practice which reduces service costs!

The Loop a Line has been improved.

The new TX916 provides the telecommunications technician with an instrument that cuts repair and installation costs!

The TX916 Loop a Line kit consists of an Oscillator and a Probe unit and two sets of test leads.

A single technician, working alone, can connect the Oscillator to the cable pair at the exchange MDF, street cabinet or distribution point. The Oscillator starts in the 'TONE' mode allowing the technician to identify the pair at the Far End of the Line with the Probe. Extra Oscillators can operate on separate pairs of a cable and are identified by the different tones available.

After pair identification, connect the Probe leads to the pair and signal the Oscillator by pressing the Probe's OPEN' or 'SHORT' buttons. This allows the connection of other test equipment to perform tests such as:

- Foreign battery
- Insulation resistance
- Loop resistance
- Resistance balance checks
- Fault finding using a TDR or Resistance Bridge.

After repair or installation, a final press of the 'CONNECT' button connects the customer's service to the switch to provide dial or ring back checks.

5 WAYS TO BETTER SERVICE PROVISION

1. Press TONE (●) to identify the cable pair
2. Press OPEN ↔ to disconnect the line for Foreign Battery and Insulation Resistance testing
3. Press SHORT ↑↑↑ or ↑↑ to loop the line for loop resistance, Resistance balance and Resistive fault location tests
4. Press CONNECT ↗ to restore the service
5. Press 600 Ω 600 for a quiet line and

BENEFITS OF TX916 LOOP a LINE

- One technician can work unassisted by using the probe to remotely control an oscillator
- Eliminates multiple journeys along the cable path
- Six mode selectable switching
- Battery level indicator

IMPROVEMENTS OVER PREVIOUS MODEL

- New stronger ergonomic cases
- Operates over longer distances
- Oscillator remembers last tone selected
- Oscillator sounds if line short circuits
- Oscillator displays selected modes
- Battery level displayed

Technical Specifications	
OSCILLATOR	
Battery 9V alkaline IEC6LR61	
LED low battery indication	
Short circuit detection, foreign battery reverse polarity	
Weight: 110g	
Dimensions: 240mm x 35mm x 25mm	
Mode 1: (●) Tone (Pair I/D)	
Tone output 1kHz-2kHz	
Selectable warble (default), continuous, two tone beeps repeating and three tone beeps repeating	
Enable/disable buzzer for short circuit and foreign battery reverse polarity detect	
Max consumption, 8.80mA (70 hours, 580mAh battery)	
Tone output level into Line +9 dBm into 600 Ω	
Output impedance 600 Ω	
Mode 2: ↔ Open Circuit	
Current consumption approx. 0.75mA	
Resistance between terminals > 1G Ω	
Max open circuit voltage 500V dc	
Line Balance: 54pF (black clip-red clip), 58pF (black clip-ground plane), 72pF (red clip-ground plane)	
Mode 3 & 4: ↑↑↑ ↑↑ Short Circuit (with/without ground)	
Current consumption approx. 0.75 mA	
Max short circuit current 2A	
Resistance between terminals, <0.30 Ω	
Mode 5: ↗ Connect	
Current consumption approx. 0.75mA	
Mode 6: 600 600 Ω termination	
600 Ω termination, configuration for noise measurement	
Current consumption approx. 0.75mA	
PROBE	
Battery 9V alkaline IEC6LR61	
Low battery indication using low frequency beep	
Tone receiver, loudspeaker or earphone output (<2000Ω)	
High and low (- 6dB) tone sensitivity settings	
Tone receiver automatic power off after 2 minutes	
Max current consumption in TONE mode 98mA	
Current consumption in other modes <1uA	
Green/Red LED shows exchange connected	
Weight: 130g	
Dimensions: 200mm x 50mm x 28mm	

