Flying solo in the telecommunications race

Single-operator solutions for the telephone network

TX915 Loop a Line™ Cuts Service Costs!

A new concept in Telephone Installation and Fault Location Practice

- Identify Pair
- Open Circuit
- Short Circuit
- Connect Service

All this, on command, from the far end of the line!

Teletech **World-class products for the telecommunications industry**

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TX915 Loop a Line

New Concept in Cable practice CUTS SERVICE COSTS!

Loop a Line is an important development providing the communications technician with an instrument that cuts repair and installation costs!

Loop a Line consists of an OSCILLATOR or TONE SENDER and a SIGNALLING PROBE. Two sets of test leads complete the equipment.

In practice, the service technician connects the Oscillator to the cable pair at the exchange MDF or street cabinet. The Oscillator starts in the 'TONE' mode allowing the technician to identify the pair at the Far End of the Line with the Probe. Several different Tones are selectable allowing multiple Oscillators to operate on the cable.

After pair identification, the Probe leads may be connected to the pair and the Oscillator signalled by pressing 'OPEN' or 'SHORT' buttons, to allow foreign battery, insulation resistance, loop resistance and resistance balance checks as well as fault finding using a TDR or Resistance Bridge. After repair or installation, a final press of the 'CONNECT EXCHANGE' button restores the customer's service to provide dial or ring-back checks.

4 STEPS TO BETTER CABLE MANAGEMENT

1 • Press **TONE** for Pair Identification mode

2 • Press **OPEN** to disconnect the line for Foreign Battery and IR tests

3 • Press **SHORT** to loop the line for Loop Resistance, Resistance Balance and Resistive Fault Location tests

4 • Press **CONNECT EXCHANGE** to reconnect the Exchange for Dial-Tone and Ring-Back tests as well as to restore the service

NOW, the new Loop a Line TX915 dramatically increases efficiency by allowing an unassisted communications technician working up to 20 km from the exchange to disconnect the customer's service, identify the cable pair, open and close the loop, and re-connect the customer.

BENEFITS OF TX915 LOOP a LINE

- ***One technician in total control – no assistance required from the Exchange***
- ***Multiple journeys along the cable eliminated***
- ***Four mode selectable switching; no 'time-out' restrictions***
- ***Unique signalling system patented world-wide***

Authorised Dealer

Technical Specifications

Oscillator

- Low battery indication
- Battery 9V, alkaline

Mode 1: Tone (Pair I/D)

- Tone output frequency 1kHz - 2kHz
- Selectable Warble, Pulsed or Continuous Frequency
- Tone output level to Line +3dBm (600Ω)
- Output impedance 600Ω
- Current consumption approx. 5mA

Mode 2: Open Circuit

- Resistance between terminals >200MΩ
- Max. Line voltage 1kVdc
- Current consumption approx. 2mA

Mode 3: Short Circuit

- Resistance between terminals, approx. 50mΩ
- Current consumption approx. 2mA

Mode 4: Connect Exchange

- Current consumption approx. 2mA

Probe

- Tone receiver, loudspeaker or earphone output (2000Ω)
- High and low tone sensitivity settings
- Tone receiver mode automatically times out in 2 minutes
- Loudspeaker audio output level, min. 86dBA at 180mm
- Current consumption in tone receiving mode approx. 15mA
- Current consumption in other modes <1µA
- Low battery indication
- Green/Red LED indicates exchange connected
- Battery 9V, alkaline

Specifications subject to change without notice