

Flying solo in the telecommunications race

Single-operator solutions for the telephone network

New 3-Line TX 935 Cablemate-Plus™ Cuts Service Costs!

A new concept in Telephone
Fault Location Practice

Patents World-Wide

Benefits of TX 935 Cablemate-Plus

- One technician in total control
no assistance required
- Two piece kit, oscillator
and switchable probe
- Three twisted pairs can be
serviced simultaneously
- Four mode switching;
no 'time-out' restrictions
- Total customer satisfaction
- Unique signalling system
patented world-wide



teletech

World-class products for the telecommunications industry

Teletech Pty Ltd 61 Betula Avenue, Vermont, Victoria 3133, Australia PO Box 85, Vermont 3133
Tel: (03) 9873 2777 Fax: (03) 9873 5902 Email: gen@teletech.com.au **Web: www.teletech.com.au**

TX 935 Cablemate-Plus

New Concept in Cable practice CUTS SERVICE COSTS!

CABLEMATE is an important new development of the well known LOOP-A-LINE, now providing the service technician with extra features which cut repair and installation costs even further!

CABLEMATE consists of an OSCILLATOR or TONE SENDER, and a SIGNALLING PROBE.

Five sets of test leads complete the equipment.

In practice, the service technician connects the oscillator to the cable pair at exchange tag block or cabinet. Then at the FAR END by pressing 'TONE', the probe is first used to DISCONNECT the customer's service and IDENTIFY THE PAIR. Three separate warble tones are available for the 3 lines to provide positive identification of each pair.

After pair identification, the PROBE LEADS may now be connected to the FAULTY PAIR, (live or dead) and the oscillator signalled by pressing 'OPEN' or 'SHORT' buttons, to provide insulation and loop resistance checks, and bridge fault location tests to be performed. After repair or installation, a final press of the 'CONNECT EXCHANGE' button restores the customer's service, and the job is completed.

UNIQUE CABLE MANAGEMENT SYSTEM

- 1 • Press '**TONE**' for Pair Identification Mode – Exchange now disconnected
- 2 • Press '**OPEN**' – Dial-tone and ring-back tests
- 3 • Press '**SHORT**' – D.C. Short Circuit. Fault location tests
- 4 • Press '**CONNECT EXCHANGE**' – Exchange re-connected

NOW, new CABLEMATE - PLUS dramatically increases efficiency by allowing an unassisted line technician working up to 20 kms from the exchange to disconnect the customer's service, identify three cable pairs, open and close the loop, and re-connect the customer.

Probe Test Leads



Oscillator Test Leads



Authorised Dealer

Technical Specifications

Oscillator

- Low battery indication
- Battery 9V, 216 or equivalent

Mode 1: Tone (Pair I/D)

- Three separate pulsed tones (1kHz - 2kHz) to positively identify each line
- 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

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 LED indicates exchange connected
- Battery 9V, 216 or equivalent

Specifications subject to change without notice