

Tel Scope™

21st Century Telco Line Analyzer

Tel Scope uses the latest embedded processor technology to enhance the user interface experience to provide a “smart” telephone test set that can be modified easily with new innovative feature sets. Combined with a rugged weatherproof case, the Tel Scope is designed for field use in extreme conditions.

- **Multilingual (English, French, Spanish)**
- **Large lighted LCD for use in low light environments**
- **Glow-in-the-dark keypad**
- **Rainproof**
- **100% data safe**
- **The most powerful telco test set ever built!**

Physical Features

- Ergonomically designed body for most comfortable use
- 60 inch Angeled Bed of Nails with piercing clip cord set
- Listening speaker with fine volume adjustment
- Adjustable earpiece volume, hearing aid compatible
- Noise cancelling microphone
- Microphone mute with toggle on/off locking feature
- Soft key menu system simplifies user interface and customization
- Optional cushion boot for extra protection in ultra harsh environments
- Large LCD screen with On/Off option to conserve battery life
- Rainproof and highly water/dust resistant case to IP54 Standard

Function Features - Displayed on Lighted LCD

- Off-hook current and polarity
- On-hook voltage and polarity
- Ring amplitude and frequency
- On-hook and call waiting Caller ID info
- Amplified Line Monitor for volume levels comparable to “off hook” operation
- 8 number Stored memory with Alpha/Numeric tags
- Fuel Gauge Battery condition
- Continuous Polarity Indication
- Caller ID/Call Waiting
- Caller ID error detection
- Last Number redial - 24 digits
- Tone and Pulse dialing
- Configurable Auto Off in all modes
- Last number dialed, redialed or received
- Detection of T1 and DSL Lines





Belt Clip for Convenient Hands Free Usage



Includes 60 inch Angled Bed of Nails with piercing clip cord set

Optional Accessories & Kits



KP400-T3

Deluxe Tel Scope Field Kit

Tel Scope, TrakAll Tone & Probe and Hanging T3 Pouch



CP100

T3 Hanging Pouch

Digital Protection Features

- Data Defender™ Data line-in-use capability (Data Defender is a trademark of Independent Technologies)
- High line voltage detection with next step options
- Active monitor circuitry minimizes load on subscriber line
- DTMF digit detection and display in monitor mode
- Detects DSL and T1 lines
- DigitView™, DTMF decode sees defects on customer equipment while dialing out
- PwrSave™ circuitry for Extra Long battery life

Ordering

Part Number	Description
TLA300	Tel Scope Telco Line Analyzer with Angled Bed of Nails and Piercing Clip Cord Set

Specifications

Product Dimensions	8.25x2.5x2.0 without belt clip and cord set
Product Weight	1lbs. 2oz.
Interface	Attached cord set
Languages	English, Spanish and French
Ringer Equivalence	In BELL mode: 0.0 (no ringer load)
Pulse Dialing	Pulse rate: 10 pps \pm 10%; Make/break ratio: 60% to 40% \pm 2%; USA Interdigit interval: 820 ms; Resistance during break: 120K Ohms minimum
Tone Dialing	DTMF output (into 600 Ohms): Tone-frequency error: \pm 1.5%; Tone Level: High group: -6 \pm 2 dBm; Low group: -8 \pm 2 dBm; High group vs. Low group Difference (twist): 2 \pm 1 dBm
Flash Duration	600 \pm 50 ms
Pause Duration	Tone: 3 seconds; Pulse: 3.4 seconds
Memory	8 programmable locations, 32 digits with 12 character tag, stored in non-volatile memory. Last number redial plus list of last 10 numbers dialed.
Return Loss	Minimum 14 dB at 600 Ohms
Line-Current Range	10 to 110 mA
Apparent Line Resistance	275 Ohms at 20 mA
Monitor Mode Impedance	DC: 1M Ω typical AC: 390 K Ω at 1 KHz typical
Measurement	Voltage: 0 to 200 VDC \pm 5%; Current: 10 to 110 mA \pm 5%; NOTE: Do not attach test set to electric-power lines
User Controls	(1) Left-side-mounted TALK/BELL/MON push button switches for operating modes; (1) Right-side-mounted microphone mute pushbutton; (4) Front-mounted pushbuttons for various options; (1) Standard front-mounted 12-key phone keypad
Display	Transflective 128 by 64 pixel graphical liquid crystal display (LCD) with LED backlight
Power	4 x AAA alkaline batteries
Battery Life	With 100% backlight and in speaker mode - 20 hours Backlight off and speaker off - 75 hours Standby - 2 years