

# TSA-6000™-USB

## *Telephone Line/FXS Signaling Capture and Analysis*



### The Many Uses for the TSA-6000™-USB

- ✓ Test VoIP Terminal Adapter FXS Interfaces
- ✓ Reduce time to market for VoIP FXS interface products
- ✓ Verify Telephone Signal Generation: (DTMF, Flash, Dial Pulse)
- ✓ Troubleshoot Telephone Lines In The Field
- ✓ Verify Caller-ID Signaling (Bellcore, ETSI, DTMF, Russian CID)
- ✓ Test Cable Modem Set-Top Box FXS Interfaces
- ✓ Verify Telephone Switch and PBX Installations
- ✓ Verify Telephone Test Equipment Signaling
- ✓ Other Signaling Protocol Verification: (SMS-ETSI, ADSI)

#### Signal Capture Features

- Capture and record signaling at the customer premise or anywhere on the customer loop
- Intuitive PC control interface for capturing signals
- Simultaneous AC and DC coupled capture with time synchronization
- Line Termination and switch hook for Off-Hook control (including Type 2 Caller-ID capture)
- Rugged and lightweight case



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*For more info go to*

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# TSA-6000™-USB

**AC and DC Coupled Signal Capture With Time Correlation**

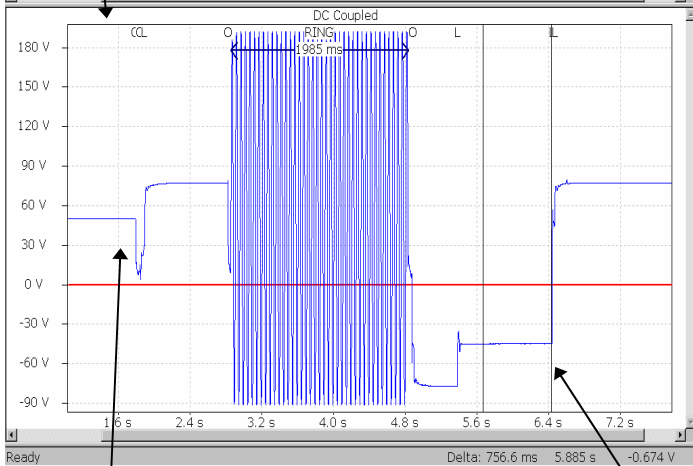
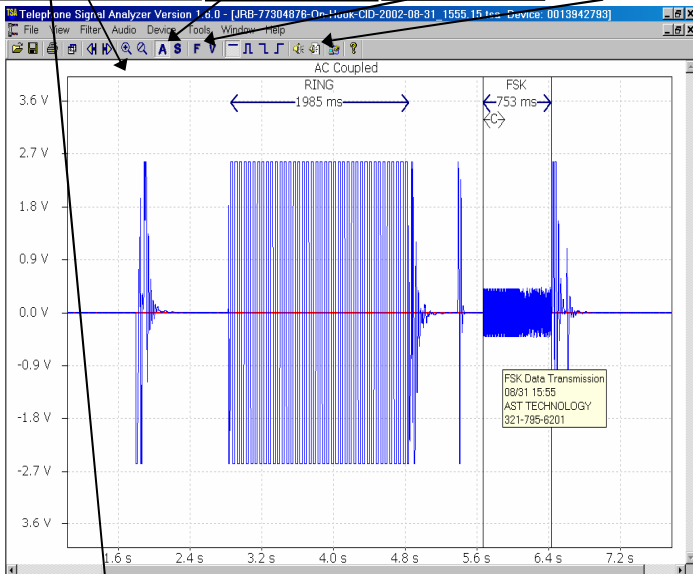
**Automatic "One-Button" Signal Analysis**

**FFT Analysis of Captured Signal**

**Details of all Signaling Parameters**

**Automatic Conformance to Standards Check**

**Multiple FSK Data Display Formats**



**Automatic Detection of DC Changes on the Telephone Line**

**Accurate Timing Measurement Cursors**

## Approvals For Use

- FCC-Part 15
- CSA/UL 60950
- CE Mark

**FFT Display of Captured FSK Signal**

**Displays Caller-ID Data**

**Automatic Noise Measurement**

## Signal Analysis Software Modules

- [Telephone and General Signaling Analysis \(Standard module provided with all systems\)](#)
- [Caller-ID Analysis](#)
- [VoIP Terminal Adapter Signaling Analysis](#)
- [SMS \(Short Messaging Service\) Analysis](#)
- [ADSI \(Analog Display Services Interface\)](#)
- [Russian Caller-ID Analysis](#)
- [DTMF and Dial Pulse Analysis \(telephone tests\)](#)
- [WAVE Output of Captured AC Signals](#)
- [Speech Voltmeter \(per ITU P.56\)](#)
- [ADEMCO alarm protocol analysis](#)
- [Tone Generator and Frequency Sweep \(End-To-End Attenuation Analysis\)](#)
- [Custom Analysis modules to suit your needs](#)



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