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Find the *Rochelle 3500* at our website: ***Click HERE***

CALLER ID Rochelle

Telephone
R&D / Production Tester

TELEPHONE 3500 TESTER

Stand-alone CO Line Simulator and Telephone Tester
Ideal for R&D and Manufacturing / QA Applications
US and International Type I and II Caller ID Simulation
Programmable Line Current and Ringing Voltage
Five Tone and One Noise Generators
Return Loss and V-I Measurement per RS-470B
Integrated RMS and DC Meters
Optional DTMF Digit Analysis
Optional External Acoustic Fixture
Front Panel, Remote, or Menu Operation



Overview:

- The Rochelle Model 3500 Caller ID Telephone R&D/ Production Tester is a programmable central office line simulator
- The Model 3500 has specific application for R&D and automated production testing of Feature telephones with Caller ID, Call Waiting, and Visual Message Waiting.
- The Model 3500 features user-friendly software that allows the user to set CID messages and telephone service parameters.
- The Model 3500 includes a built-in 24 AWG artificial line, adjustable loop current, and a white noise generator to simulate real-life impairments.
- The Model 3500 has an RS-232 serial port for control from automated test programs written in languages such as C, Visual Basic or LabVIEW (with optional Remote Control package).
- The Model 3500 is compatible with all major US and international Caller ID standards.

Features and Benefits:

- Stand-alone system combines a PC, a line simulator and a telephone tester.
- Programmable FSK signal generator (mark and space level, frequency and duration) and data entry allows complete simulation of Caller ID signals and messaging.
- Fully programmable DTMF and CAS generators (signal levels, frequency, duration, and twist) permit simulation of DTMF-based Caller ID and Type II Caller ID.
- An on-board noise generator allows performance testing under noisy line conditions.
- Audio input permits coupling of external speech, audio, or noise into the Model 3500.
- Audio output allows external monitoring and coupling to other instruments.
- PC/104 options available for DSP-based DTMF analysis and external GPIB control.
- Optional Acoustic Head for handset production testing.

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SPECIFICATIONS 3500

Central Office Simulation

Line type	Two-Wire, Loop Start
Source AC Impedance	Jumper-selectable 600 or 900 Ohms (+/- 25 Ohms)
CO Voltage	Floating +/- 48 VDC (+/- 2 V)
Line Current	Programmable from 10 to 80 mA (+/- 2 mA)
Ringing Voltage	20 to 80 Hz, 15 to 80 Vac RMS (+/- 2 V)
Loop Simulation	3Km (9840 ft) of 24 AWG, 6 Km of 24 AWG, or none

FSK Generation

FSK Transmitter Standards	Bell 202 and ITU V.23
Level Resolution and Accuracy	0 to -48 dBm in 1 dB Steps (+/- 1 dB)
Frequency Resolution and Accuracy	Programmable to Within +/- 5% of Nominal Standard Frequencies (+/- 1 Hz)

CAS and DTMF Generation

Level Resolution and Accuracy	0 to -48 dBm in 1 dB Steps (+/- 1 dB)
Frequency Resolution and Accuracy	Programmable to +/- 5% of Nominal (+/- 1 Hz)
Duration	Programmable from 40 to 200 mS

Tone Generation

Level Resolution and Accuracy	+10 to -38 dBm in 1 dB Steps (+/- 1 dB)
Frequency Range and Accuracy	150 Hz to 20 kHz (+/- 1 Hz)

Noise Generation

Type	Flat (>20 KHz), Pseudo-Random
Range	20 to 90 dBrnC in 1 dB Steps

Audio Input/Output

Input Impedance	10 K Ohms
Output Drive	Up to 6 Watts into 8 Ohms

Controller System

Controller	486SX, 66 or 100 MHz
Memory	2MB DRAM, 8MB DiskOnChip Flash (Expandable)

Mechanical

Size	10” by 4” by 13” (25 by 10 by 33 cm)
Weight	10 lbs (4.5 Kg)
Operating Temperature	32 F to 122 F (0 C to 50 C)

Options

- DSP Module with DTMF Digit Analysis
- Remote Control (RS-232 or GPIB)
- Factory Automation Software
- External Acoustic Fixture

CE

Rochelle®

Specifications subject to change without notice

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