



"Results You Can Count On"

Model 460-V High-Density/Production VDSL Local Loop Simulator

- **26 AWG PIC**
- **Simulates Attenuation and Impedance**
- **8, 16 or 24 Channels**
- **0 to 5,500 ft in 500-ft Increments**
- **100 kHz to 12 MHz Bandwidth**



Introducing the industry's first VDSL Local Loop Simulator. Ideally suited for the functional production testing of VDSL devices, this compact and reliable unit accurately simulates attenuation and impedance characteristics of 26 AWG and provides up to 24 channels in a 2-U high rack-mountable chassis. Loop lengths are programmable from 0 to 5,500 ft in 500-ft increments, bandwidth ranges from 100 kHz to 12 MHz and the 460-V can be remotely controlled via RS-232.

Product Specifications	
Simulation	Accurately represents attenuation and impedance characteristics of 26AWG PIC as specified in ANSI T1E1.4/2000-009R3 (Draft).
Accuracy	+/- 6.5%, +/- 1.0 dB +/- 2 dB channel to channel
Bandwidth	100 kHz to 12 MHz bandwidth
Maximum voltage tip – ring	50 volts peak
Maximum continuous current	25 mA
Size	3.47 in H x 19 in W x 14 in D (88.1 mm H x 482.6 mm W x 355.6 mm D)
Connectors	<ul style="list-style-type: none"> · One RJ-45 for RS-232 control · Two RJ-21s for 24-channel loop in and loop out · One power jack <p>Connections to the units under test are by means of two industry standard 50-pin (RJ-21) Telco/Champ type connectors. <i>The use of twisted-pair cable is highly recommended for connection to the units under test.</i></p>
RS-232 Control	The RJ-45 control connector is wired as a router-compatible serial port to accommodate multiple Telebyte 460-V's under terminal server control. Pin 3 is TxD (out), Pin 4 and 5 are GND, and Pin 6 is RxD (in). Protocol is 9600 baud, 8 bits, no parity, 1 stop bit (fixed).
Power	Power is supplied by a universal (UL approved) 100-220 VAC to 5 VDC adapter.
Additional Information	Rack-mount adapters included. Adapters can mount for either front or rear connector access. One-to-one RJ45-to-RJ45 six-foot cable included. RJ45-to-DB9 adaptor included.

Specifications are subject to change without notice. Made in USA.

Channels: 460-V (24 Channels) | 460-V-16 (16 Channels) | 460-V-8 (8 Channels)