



"Results You Can Count On"

**Model 458-LM-A1-30-TR114
Local Loop Simulator for TR-114
Including Bridged Tap**



- **Simulates 26 & 24 AWG PIC as specified in ANSI T1.417**
- **Bandwidth DC to 30 MHz**
- **Solution for TR-114 test loop simulation, including bridged tap**
- **Also suitable for ADSL, ADSL2, ADSL2+, & VDSL2 chip/modem/DSLAM testing**
- **26 AWG loop lengths programmable from 0 to 24,000 ft in 25-ft increments**
- **Plugs into our Model 458-CC-16 (16-slot) or 458-3SLx (3-Slot) chassis**
- **Loop Lengths can be controlled manually via front panel of chassis, or remotely via RS-232, Ethernet or IEEE-488 (GPIB)**

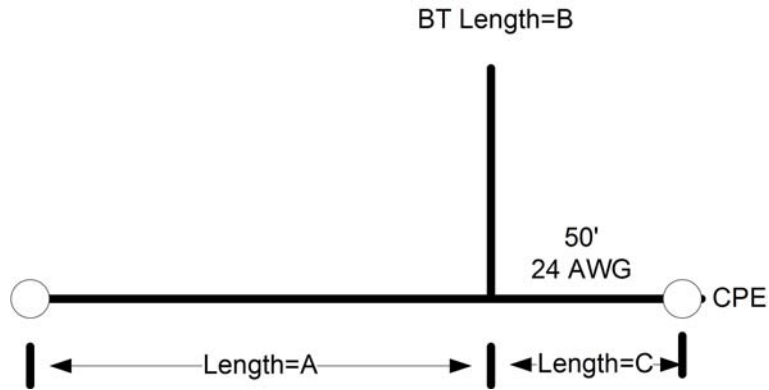
The Model 458-LM-A1-30-TR114 Local Loop Simulator for TR-114 is the ideal solution for simulating test loops as defined in TR-114 and includes a Bridged Tap. In addition, it is also suitable for ADSL, ADSL2, ADSL2+, and VDSL2 chip/modem/DSLAM testing of straight loops out to 24,000 feet in very small increments.

This versatile local loop simulator is plugged into our Model 458-3SLx (3-Slot) or 458-CC-16 (16 Slot) chassis where settings are controlled by a convenient keypad located on the front, RS-232, Ethernet or IEEE-488(GPIB). The modular design of Telebyte's products allows the 458-LM-A1-30-TR114 to be combined with other line modules for a wide variety of test configurations.



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Bridge Tap Topology
(A is the distance from the CO to the BT location)

Length A= 26 AWG 0 to 24,000 ft in 25-ft increments
Length B= 26 AWG 0 to 200 ft in 10-ft increments
Length C= 24 AWG 50 ft

Product Specifications	
Simulation	<ul style="list-style-type: none"> • Accurately simulates attenuation and impedance • Full bidirectional operation at all specified frequencies • 24/26 AWG PIC as specified in ANSI T1.417
Bandwidth	DC to 30 MHz
Attenuation Accuracy (when source and load impedances are 100 ohms)	MAE < 1 dB 20 kHz to 30 MHz
Maximum Attenuation	> 90 dB
Impedance Accuracy	Typically +/- 10% 20 kHz to 30 MHz
Maximum Voltage Tip – Ring	200 V
Maximum Current	130 mA
Connectors	2 RJ-45's on front

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