



"Results You Can Count On"

Model 458-LM-E1-30-04-DC Multi-Standard Local Loop Simulator



- **Designed to support testing under the proposed DSL Forum TR-127**
- **Wide bandwidth range from DC to 30 MHz**
- **Simulates 0.4mm PE per ETSI TS 101 388**
- **Bandwidth to support ADSL, ADSL2+, and VDSL2 chips/modems/DSLAMs**
- **Loop lengths programmable from 0 to 6,350 m in 25-m increments**
- **Plugs into our Model 458-CC-16 (16-slot) or 458-3SLB (3-Slot) chassis**
- **1-amp Peak Surge / Maximum Voltage Tip-Ring 500 volts**

The 458-LM-E1-30-04-DC Multi-Standard Local Loop Simulator (for Europe) accurately simulates attenuation and impedance for 0.4mm PE as defined in ETSI TS 101 388. It offers lengths from 0 to 6,350 m in 25-m increments and is designed to handle the high voltages and currents associated with TR-127 testing.

| Product Specifications | |
|--|---|
| Simulation | <ul style="list-style-type: none"> • Accurately simulates attenuation and impedance • 0.4mm PE as defined in ETSI TS 101 388 • Full bidirectional operation at all specified frequencies |
| Bandwidth | DC to 30 MHz |
| Attenuation Accuracy (when source and load impedances are 100 ohms) | MAE < 1 dB DC to 30 MHz |
| Maximum Attenuation | > 90 dB |
| Impedance Accuracy | Typically +/- 10% DC to 30 MHz |
| DC Rating Maximum Voltage Tip – Ring | +/- 500 volts between tip and ring, tip ground, ring ground 150-mA Maximum 1-amp Peak Surge |
| DC Resistance Accuracy | +/- 10 % |
| Connectors | 1 RJ-45 on front, 1 RJ-45 on back |

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