

Surge Testers

MegaPulse 968-B Telephone Longitudinal Type A



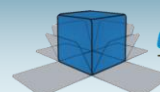
TIA-968-B Longitudinal Type A

Surge tester built to deliver the pulse described in TIA-968-B, Section 4.1.2.2, Longitudinal Telephone line surge – Type A. The tester has a voltage waveform in accordance with TIA-968-B Figure 2, with a front time (tf) of 6 μ s minimum to 10 μ s maximum, and a decay time (td) of 160 μ s minimum to 260 μ s maximum, when delivered into an open circuit. The current waveform is in accordance with TIA-968-B Figure 3, with a front time (tf) of 5 μ s minimum to 10 μ s maximum, and a decay time (td) of 160 μ s minimum to 210 μ s maximum into a short circuit. The peak voltage can be set to 1500V minimum to 1650V maximum using the knob on the front panel, and it presents a peak short circuit current of 200A minimum to 230A maximum.

The longitudinal voltage surges require polarity change and this is accomplished by pressing a front panel switch.

Features

- Up to 1650 test peak voltage.
- Front panel voltage meter indicates output peak voltage.
- Output voltage and polarity are controlled manually from the front panel.
- Ergonomically designed for safety, speed and efficiency.
- Cables, manual and calibration certificate included.
- External Safety Interlock disables HV charge and defeats test when circuit is open.
- Optional USB Testminder, computer control allows test plans and stores results.
- One year calibration cycle.
- One year warranty.



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Specifications

Voltage waveshape reference TIA-968-B Fig. 2 (open circuit)

Output Peak voltage at 1500V:	1500V minimum to 1650V maximum
Voltage Rise Time:	6 μ s minimum to 10 μ s maximum
Voltage Duration Time:	160 μ s minimum to 260 μ s maximum
Voltage Control:	Knob or optional USB computer control

Current waveshape reference TIA-968-B Fig. 3 (short circuit)

Output Peak current at 1500V:	200A minimum to 230A maximum
Current Rise Time:	5 μ s minimum to 10 μ s maximum
Current Duration Time:	160 μ s minimum to 210 μ s maximum
Internal Virtual Impedance:	7.5 Ω
Voltage Display:	4 digit LED display
Voltage Meter Accuracy:	1% of reading \pm 10V
Duty Cycle:	60 Seconds
Line Voltage:	120V AC, 50/60Hz *optional different line voltage



Environmental

Operating Temperature:	15-40 °C
Relative Humidity Range:	0-90% non-condensing



General

Dimensions:	17" wide x 3U high x 17" in deep
Weight:	30 lbs approx.
Product Package:	<ul style="list-style-type: none">• Megapulse tester• Megapulse product manual• One High Voltage Test Lead (Black), 3 feet• One High Voltage Test Lead (Red), 3 feet• NIST traceable calibration certificate to ANSI Z540• Calibration waveforms



Options

TMM:	Testminder USB computer interface software. The tester can be controlled with a computer. It can also be set to automatically follow test sequences varying test voltage and time between tests and keep a record with test information. Compatible with Windows 32/64 bit platform.
220, 230 or 240:	If a different line voltage is desired, with this option we install a step down transformer to be compatible with your line voltage. 220 is for 220V, 230 for 230V and 240 for 240V.

