

Surge Testers

MegaPulse 968-B Telephone Metallic A



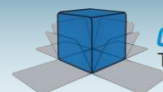
TIA-968-B Telephone Metallic A

Surge tester built to deliver the pulse described in TIA-968-B, Section 4.1.2.1.1, Metallic 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 560 μ s minimum to 860 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 560 μ s minimum to 760 μ s maximum into a short circuit. The peak voltage can be set to 800V minimum to 880V maximum using the knob on the front panel, and it presents a peak short circuit current of 100A minimum to 115A maximum.

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

Features

- Up to 880V 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 800V: | 800V minimum to 880V maximum |
| Voltage Rise Time: | 6 μ s minimum to 10 μ s maximum |
| Voltage Duration Time: | 560 μ s minimum to 860 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 800V: | 100A minimum to 115A maximum |
| Current Rise Time: | 5 μ s minimum to 10 μ s maximum |
| Current Duration Time: | 560 μ s minimum to 760 μ s maximum |
| Internal Virtual Impedance: | 8 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. |

