

Surge Testers

Megapulse 1.2x50-8PF



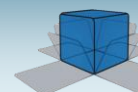
EN60335 Surge Tester, 1.2x50 waveform with 39 ohm output

Surge Tester built to the requirements of EN60335, for use in judging Insulation Systems as described in Table 6 of EN 60335 Ed. 4.2 (2006-09). The tester provides impulses from 2000 to 8000V peak.

- Complies with the requirements of IEC 61180-2.
- Positive and negative waveform delivery. Choose via a front panel button.
- 8000V/200A peak waveform output. In tolerance down to 2000V/50A. Current waveform is undefined, in accordance with EN60335.
- Available options allow computer pulse control and reduce or eliminate prearcing at low voltages. All options are noted on page 2.
- Voltage waveform 1.2 μ s rise time, 50 μ s duration, up to 8kV
- Tester internal impedance is 39ohms.

Features

- Up to 8kV test voltage on bulk cap.
- Microcontroller technologies, front panel voltage meter and polarity indicator.
- Ergonomically designed for safety, speed and efficiency.
- Cables, manual and calibration certificate included.
- Output voltage selected digitally on the front panel.
- Integrated High Voltage on hold circuit
- External interlock disables HV output and defeats test when circuit is open.
- Optional USB Testminder, computer control.
- One year calibration cycle.
- One year warranty.



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Specifications

Output Peak voltage at 8kV:	8000V \pm 3%
Open Circuit Rise Time:	1.24 μ s \pm 30% [Trise=1.67(T90%-T30%)] per IEC 1180
Virtual impedance:	39 ohms \pm 10%
Open Circuit Duration Time:	50 μ s \pm 20% (Time to half-value) per IEC 1180
Current Waveform:	Not defined
Voltage Control:	Manually, by turning a knob in front panel
Polarity Control:	Positive and negative. Alternating control available with optional computer control
Voltage Display:	4 digit LED display
Voltage Meter Accuracy:	\pm 1%
Charge time:	<5 seconds
Duty cycle:	1 minute between pulses for 6 pulses, then 5 minutes rest
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. (Tester only 20lbs)
Product Package:	<ul style="list-style-type: none">• Megapulse 1.2x50-8PF tester• Megapulse 1.2x50-8PF product manual• High Voltage Test Lead (Black), 4 feet• High Voltage Test Lead (Red), 4 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 and keep a record with test information. Compatible with Windows 32bit platform.
220, 230 or 240:	Optional 220V, 230V and 240V main.
BNCV:	Voltage BNC 1000:1 (Reference only).

