

# Surge Testers

## Megapulse 1.2x50-7PF



### EN60960 Surge Tester, 1.2x50 output: 1kV-7kV at bulk cap

A Compliance West surge Tester. That means it outputs a guaranteed waveform but won't break the bank. The tester outputs the waveform it is supposed to, time after time.

Built in the USA. Email and phone support free for life. Reasonable repair and calibration charges. Timely and helpful customer service always.

Complies with the standard EN60950, Annex N, Table N.1, Line 2 for Data Processing Equipment. This tester can test for the Australian Derivation, which requires a 7kV peak surge. The waveform is in tolerance with the requirements of IEC 1180 from 1000-7000V at the bulk cap and has an output impedance of 38ohms. The front panel meter reads the bulk capacitor voltage (not the output voltage) in accordance with the requirements of Annex N.

### Features

- Up to 7kV 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 7kV:	6620V $\pm$ 3%
Open Circuit Rise Time:	1.14 $\mu$ s $\pm$ 30% [Trise=1.67(T90%-T30%)] per IEC 1180
Virtual impedance:	38 ohms
Open Circuit Duration Time:	56.69 $\mu$ 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 (2 seconds minimum)
Duty cycle:	Up to 12 in 1 minute (1 pulse every 5s) then 45s 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"><li>• Megapulse 1.2x50-7PF tester</li><li>• Megapulse 1.2x50-7PF product manual</li><li>• High Voltage Test Lead (Black), 4 feet</li><li>• High Voltage Test Lead (Red), 4 feet</li><li>• NIST traceable calibration certificate to ANSI Z540</li><li>• Calibration waveforms</li></ul>



## 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).