



MegaPulse

1.2x50-7PF 39

PN:00-MP1.2x50-7PF 39

❖ EN 60960 Surge Tester, 1.2x50 Waveform, 1-7kV at bulk cap.



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 38Ω.

The front panel meter reads the bulk capacitor voltage (not the output voltage) in accordance with the requirements of Annex N.

*Actual products may vary depending on options and configuration.

➤ Features

- Digital output voltage knob on the front panel.
- Integrated High Voltage on hold circuit.
- External interlock disables HV output and defeats test when circuit is open.
- Microcontroller technologies.
- Front panel indicates internal HV and polarity.
- Polarity button selector on the front panel.
- Up to 7kV test voltage on bulk cap.
- Optional USB TestMinder, computer control with auto-trigger.
- Leads, manual and calibration certificate included.
- One year calibration cycle
- One year warranty.



➤ Specifications

TESTING CIRCUITRY

Output Peak Voltage at 7000V:	6620V ±3%.
Open Circuit Rise Time:	1.14us, ±30% (Trise=1.67*(T90%-T30%) per IEC 1180.
Open Circuit Duration Time:	56.69us, ±20% (Time to half-value) per IEC 1180.
Virtual Impedance:	38Ω.
Current Waveform:	Not defined.
Voltage Control:	Manually, by turning a knob in the front panel or via USB.
Polarity Control:	Positive and Negative. Alternating control available with USB.
Voltage Display:	4 Digit LED Display.
Voltage Meter resolution:	5V.
Voltage Meter Accuracy:	±1%.
Duty Cycle:	12pulses per min. with 5s between pulses, then 45s rest.
Charge Time:	<5s (2s min.)

ELECTRICAL

Line Voltage:	120V AC, 50/60Hz. Optional 100, 110, 220, 230 and 240V.
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SAFETY

Safety Interlock	2-pin terminal block on rear panel; shorted for operation.
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OUTPUTS - FRONT

OUTPUT:	High Voltage insulated socket.
RETURN:	High Voltage insulated socket.

OUTPUTS - REAR

TESTMINDER:	DB9 Female (Optional).
SAFETY INTERLOCK:	2-pin Terminal Block.
Inlet Module:	Inlet module with fuse and power switch combination.

➤ Environmental

Operating Temperature:	15-28 °C.
Relative Humidity Range:	0-90% non-condensing.

➤ General

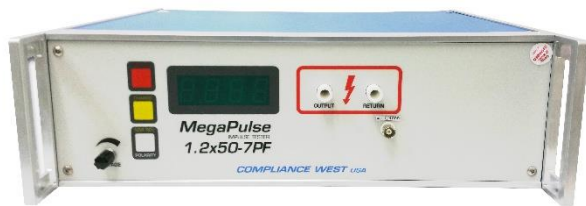
Dimensions:	17" wide x 3U high x 17" deep.
Weight:	22 lbs. approx.
Product Package:	<ul style="list-style-type: none"> • Megapulse 1.2x50-7PF 39 Tester. • Megapulse 1.2x50-7PF 39 User Manual. • High Voltage Test Leads Qty 1 (Red end), Qty 1 (Black end) • NIST traceable calibration certificate to ANSI Z540 • Calibration waveforms



➤ Options

00-MP220, MP230, MP240:	220V, 230V or 240V mains tester operation available.
00-TMM-PF	TestMinder Computer Control
00-RI	Relay Interface Control.
00-CASE-6U:	Pelican Case with foam.
A2LA-TECH-MP	ISO17025 Calibration

➤ Images



FRONT



LEFT



RIGHT

Rev 5.0

