

Surge Testers

MegaPulse Defib-5PF-001



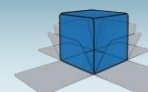
0.5x3.4ms waveform for a 1.7kΩ load.

The tester provides impulses up to 4.46kV peak 1.7kΩ load.

- Positive and negative waveform delivery. Choose via a front panel button.
- Available options allow computer pulse control and reduce or eliminate prearcing at low voltages. All options are noted on page 2.
- Voltage waveform 500μs rise time, 3.4ms duration and up to 4.46kV on a 1.7kΩ load.
- Tester internal impedance is 39ohms.

Features

- Up to 5kV 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 5kV:	4.46kV, by simulation 1.7kΩ load, tolerance not defined.
Rise Time:	500μ ±30μs (470 μs – 530 μs)
Duration Time:	3ms ±0.3ms (3.1 ms – 3.7 ms)
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:	±1%
Charge time:	<5 seconds
Duty cycle:	10s for 18 cycles; 60s 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 6U high x 17" in deep.
Weight:	30 lbs approx. (Tester only 20lbs)
Product Package:	<ul style="list-style-type: none">• Megapulse Defib-5PF-001 tester• Megapulse Defib-5PF-001 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).

