

Surge Testers

Megapulse Antenna Surge PF



High Voltage Impulse Generator

The Megapulse Antenna Surge PF is a surge generator specifically designed to comply with the following standards:

- EN60065 paragraph 10.1
- UL 60950-1 Annex N, Table N.1, Line 3
- IEC 62368-1 Annex D, Table D.1, Line 3

Features

- Test voltage up to 10kV.
- Microcontroller technologies, front panel voltage meter indicates test peak open circuit voltage and polarity.
- Output voltage controlled manually from the front panel.
- Ergonomically designed for safety, speed and efficiency.
- Cables, manual and calibration certificate included.
- One year calibration cycle
- One year warranty
- Optional 1000:1 BNC voltage monitor.
- Optional 4 M Ω load resistor.
- Optional USB Testminder computer control.
- Optional external interlock disables HV output and defeats test when circuit is open.

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Specifications

Output Peak Open Circuit:	10kV \pm 3%
Main Internal Capacitor:	1nF
Internal Virtual Resistor:	1000 Ω
Internal HV Power Supply	
Output Impedance:	15 M Ω
Trigger Relay:	Complies with IEC 65
Voltage Control:	Manually, by turning a knob in front panel
Polarity Control:	Positive only
Voltage Display:	5 digit LED display
Voltage Meter Resolution:	5V
Duty Cycle:	A pulse every 5 seconds, (standard 50 discharges at maximum rate of 12 per minute)
Line Voltage:	120V AC, 60/50Hz *optional different line voltage



Environmental

Operating Temperature:	15-40 $^{\circ}$ C
Relative Humidity Range:	0-90% non-condensing



General

Dimensions:	17" wide x 6" high x 17" in deep
Weight:	35 lbs approx
Product Package:	<ul style="list-style-type: none">• Megapulse Antenna Surge PF tester• Megapulse Antenna Surge PF product manual• High Voltage Test Lead (Red), 4 feet• High Voltage Test Lead (Black), 4 feet• NIST traceable calibration certificate to ANSI Z540• Calibration waveforms



Options

BNCV:	1000:1 BNC Output, compensated for 1M Ω
4M:	4 M Ω resistor load
XI:	External interlock; two position terminal block on rear panel must be shorted for high voltage operation.
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:	If a different line voltage is desired, with this option we install a step down transformer to be compatible with your line voltage. 220 for 220V, 230 for 230V and 240 for 240V.

