

# Surge Testers

## MegaPulse Antenna Surge PF



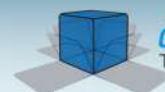
### High Voltage Impulse Generator

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

- EN60065 paragraph 10.1; and its variants worldwide
- UL 60950-1 Annex N, Table N.1, Line 3; and its variants worldwide
- IEC 62368-1 Annex D, Table D.1, Line 3; and its variants worldwide

### Features

- Test voltage up to 10kV.
- Voltage meter indicates capacitor charge voltage.
- Capacitor charge voltage is controlled manually from the front panel or via optional USB control.
- 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 $\Omega$  load resistor.
- Optional USB Testminder computer control.
- Supplied external interlock disables HV output and defeats test when circuit is open.



# Megapulse Antenna Surge PF



## Specifications

Capacitor Charge Voltage:	10kV $\pm$ 3%
Main Internal Capacitor:	1nF
Internal Virtual Resistor:	1000 $\Omega$ $\pm$ 3%
Internal HV Power Supply	
Output Impedance:	15 M $\Omega$
Trigger Relay:	Complies with IEC 65, Para. 10.1
Voltage Control:	Manually, by turning a knob in front panel; or by optional USB computer control (Windows 32 bit)
Polarity Control:	Positive
Voltage Display:	5 digit LED display
Voltage Meter Resolution:	5V
Duty Cycle:	A pulse every 5 seconds, continuous duty (Per the Standard requirement of 50 discharges at a maximum rate of 12 per minute)
Line Voltage:	120V AC, 60/50Hz *optional different line voltage
External Interlock:	Two position terminal block, closed circuit required for operation



## Environmental

Operating Temperature:	15-40 °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"><li>• Megapulse Antenna Surge PF tester</li><li>• Megapulse Antenna Surge PF product manual</li><li>• High Voltage Test Lead (Red), 4 feet</li><li>• High Voltage Test Lead (Black), 4 feet</li><li>• NIST traceable calibration certificate to ANSI Z540</li><li>• Calibration waveforms</li></ul>



## Options

BNCV:	1000:1 BNC Output, compensated for 1M $\Omega$
4M:	IEC 60065 4 M $\Omega$ resistor load
TMM:	Testminder USB computer interface software. Automatic trigger at repetition rate pf 5 sec/pulse, for up to 49,900 continuous pulses. Provides a test record with test information. Compatible with Windows 32bit platform.
*220, 230 or 240:	Mains voltages available: 220V, 230V and 240V.

