



SURGE TESTERS / IEC 60060 12kV 1.2x50 Tester

# MegaPulse 1.2x50-12kV



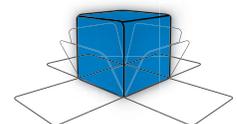
↘ IEC 60060 Surge Tester with 1.2x50 output: 400V - 12kV

## ↘ FEATURES

A Compliance West Surge Tester. That means it outputs a guaranteed waveform but won't break the bank. We don't believe in frills that never get used but we do believe in providing a user-friendly, reliable tester that outputs the waveform it is supposed to, time after time.

The MegaPulse 1.2x50-12 waveform is in tolerance with the requirements of IEC 60060 from 400V - 12kV and is available in output impedances of 12 or 39 ohms. The IEC 60060 1.2x50 tester is referenced in IEC 60335 and IEC 61730. Built with a relay conforming to the requirements of IEC 60065, Figure 7b. Optionally, the MegaPulse 1.2x50-12 can also perform the tests required in UL 60950 Annex N (in compliance from 2000 - 7000 V) for either the 12 or 39 ohm tester.

Built in the USA. Serviced in the USA by the guys who designed and built it. Email and phone support free for life. Reasonable repair and calibration charges. If you can't get it fixed, why buy it?



The blue box that tests. And tests.

# MegaPulse 1, 2x50-12kV



## ELECTRICAL ▾

Output:	Up to 12000 Volts open circuit; controlled by front panel knob and displayed on voltage meter. Positive or negative polarity is chosen via front-panel button.
Voltage Waveform:	Virtual Impedance: 12 ohms or 39 ohms, customer choice 1.2x50us @ 400-12kV Open Circuit: Per IEC 60060 Section 19 Peak Value: 400-12kV $\pm 3\%$ (independent of meter tolerance) Front time: 1.2uSec $\pm 30\%$ [Trise= 1.67 (T90%-T30%)] Duration: 50uSec $\pm 20\%$ (Time to half-value)
Current Waveform:	(not defined) 12 ohm tester outputs up to 1000A (peak, short circuit) in accordance with IEC 335 4.1 39 ohm tester outputs up to 300A (peak, short circuit) in accordance with IEC 335 4.2
Charge Time:	3 seconds nominal in accordance with the fastest pulse rate in IEC 335.
Meter Accuracy:	$\pm 3\%$ 400-12kV.
Test Adjustments:	Amplitude via front panel knob and shown on front panel digital meter.



## ENVIRONMENTAL ▾

Operating Temperature::	15-40°C
Relative Humidity Range:	0-90% non-condensing



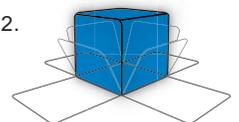
## GENERAL ▾

Input Power Requirements:	114-128V, 50/60Hz, 5A
Weight:	30 lbs. approx. Shipping weight 50 lbs.
Dimensions:	17 in. (W) x 6U (H) x 17 in (D)



## OPTIONS AND OPERATION ▾

Manual operation:	Operator connects the provided output and return cables to the MegaPulse and the DUT. Operator selects waveform polarity, pushes the CHARGE button on the front panel and waits until the front panel meter indicates full voltage. Operator conducts the test by pushing the TRIGGER button on the front panel.
Options:	RI: Relay isolated relays for connection to customer PLC TMM: TestMinder allows test to be timed using computer clock and run from a PC. 240: 240V mains operation. 950-12 or 950-39 - Allows testing to UL60950 Annex N Line 2. Suffix indicates tester impedance. BNCV: Voltage BNC 1000:1 (Reference only)



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