



SURGE TESTERS / IEC 61010 12kV 2 ohm Combo Tester

MegaPulse 1.2x50/8x20-12kV±2 ohm



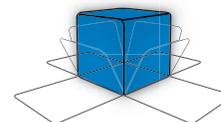
➤ IEC 61010 Surge Tester with 1.2x50/8x20 2 ohm output: 500V - 12kV

➤ 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 1.2x50/8x20-12±2ohm waveform is in tolerance with the requirements of IEC 61010 Para. 14.9 and Tables 17-18 from 500V - 12kV with 2 and 12 ohm output taps. The relay is built with tungsten contacts for a 30,000 cycle life into a dead short before maintenance is required. (Normal insulation testing will result in much longer relay contact life). 30 second duty cycle time conforms with IEC 61010 cycle times. Available with manual (MegaPulse 1.2x50/8x20+2ohm) and switch-selected polarity reversal (MegaPulse 1.2x50/8x20-12±2ohm). Switched polarity model also available with PLC or computer control.

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 1.2x50/8x20-12+2ohm



ELECTRICAL ▾

Output:	Up to 12000 Volts open circuit; controlled by front panel knob and displayed on voltage meter. For 1.2x50/8x20-12+2ohm, polarity reversal is by switching leads. For 1.2x50/8x20-12±2ohm model, positive or negative polarity is chosen via front-panel button.
Voltage Waveform:	Tester Impedance: 2 ohm and 12 ohm taps provided on front panel. 1.2x50us @ 500-12kV Open Circuit: Per EN 60060-1 Figs. 2 and 3 Peak Value: 500-12kV ±10% (independent of meter tolerance) Front time: 1.2uSec ±30% [Trise= 1.67 (T90%-T30%)] Duration: 50uSec ±20% (Time to half-value)
Current Waveform:	8x20us @ 250-6kA (2 ohm tap only; 12 ohm tap output is not defined in EN 60060-1) Peak Value: 250-6kA ±10% (independent of meter tolerance) Front time: 8uSec ± 20% (2 ohm tap only) Duration: 20uSec ± 20% (2 ohm tap only) 2 ohm tap: up to 6000A (peak, short circuit) in accordance with IEC 61010 Table 17. 12 ohm tap: up to 1000A (peak, short circuit) in accordance with IEC 61010 Table 17.
Charge Time:	<30 seconds.



ENVIRONMENTAL ▾

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



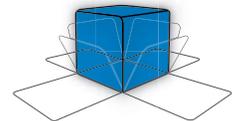
GENERAL ▾

Input Power Requirements:	114-128V, 50/60Hz, 5A
Weight:	80 lbs. approx. Shipping weight 100 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 via cable switch or button push depending on model, 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. (±2ohm model only.) TMM: TestMinder allows test to be timed using computer clock and run from a PC. (TMM available on ±2ohm model only.) 240, 230 or 220: 240V, 230V or 220V mains operation. BNCV: Voltage BNC 1000:1 (Reference only)



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