



IMPULSE TESTERS / IEC 61730-2 8kV 1.2x50 Tester

## MegaPulse 1.2x50-8kV PV



➤ IEC 61730-2 Impulse Tester with 1.2x50 output: 700V -9kV

### ➤ FEATURES

A Compliance West Impulse 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 1.2x50-8kV PV waveform is designed to provide the pulse needed to conduct the Input Test on PV Panels in accordance with IEC 61730-2 Para. 10.5.3. The waveform is in tolerance with the requirements from 700-9000V and has an output impedance of 12 ohms. Optional Capacitance Compensation presents a 1.2x50 waveform to panels having 10 - 180nF capacitance. Optional Fast Charge allows a 3 second nominal charging time.

Built in the USA. Expertly serviced by the factory or our network of authorized service centers worldwide. Email and phone support free for life. Reasonable repair and calibration charges. Call us or your closest authorized distributor with any questions. We are glad to help.



The blue box that tests. And tests.

Compliance West USA

[www.compwest.com](http://www.compwest.com)

Call [800] 748-6224

# MegaPulse 1.2x50-8kV PV



## ELECTRICAL ▾

Output:	Up to 9000 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 1.2x50us @ 700-9kV Open Circuit: Per IEC 61730-2 Para. 10.5.3 Peak Value: 700-9kV $\pm 3\%$ Open Circuit (independent of meter tolerance) Front time: 1.2uSec $\pm 30\%$ Open Circuit [Trise= 1.67 (T90%-T30%)] Duration: 50uSec $\pm 20\%$ Open Circuit (Time to half-value) CC Option allows in-tolerance waveform into panel capacitance of 10 - 180nF
Charge Time:	12 seconds nominal; 3 seconds nominal with Fast Charge Option
Meter Accuracy:	$\pm 3\%$ 700-9kV.
Test Adjustments:	Amplitude via front panel knob and shown on front panel digital meter.
Relay Contact Life:	Inspect contacts every 4500 cycles for pitting. Clean/replace as necessary.* *Based on testing at 8kV/860A, 10 sec between pulses. Inspection required when accurately setting lower voltages (~800V) is difficult.



## 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. CC: Allows in-tolerance waveforms into panel capacitance from 10 - 180nF. FC: Allows 3 sec charge time nominal. BNCV: Voltage BNC 1000:1 (Reference only).



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