

# Surge Testers

## Megapulse Capacitor series B



Picture is for reference only

### 1.5x47 Waveform with a capacitor load higher than 0.027uF

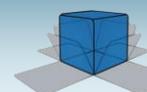
A Compliance West surge Tester. That means it outputs a guaranteed waveform but won't break the bank. The tester outputs the waveform it is supposed to, time after time.

Built in the USA. Email and phone support free for life. Reasonable repair and calibration charges. Timely and helpful customer service always.

Complies with the standard IEC 60384-14.

### Features

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



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## Specifications

|                         |  |
|-------------------------|--|
| Output Peak:            | 400V – 4kV Tolerance $\pm 3\%$   |
| Voltage Rise Time:      | 1.5 $\mu$ S, tolerance -0% +50%  |
| Voltage Duration Time:  | 47 $\mu$ S, tolerance -0% +50%   |
| Voltage Control:        | Manually, by turning a knob in front panel   |
| Main Capacitance:       | 20 $\mu$ F   |
| Test capacitor ranges:  | >0.027 $\mu$ F, 0.039 $\mu$ F<br>>0.039 $\mu$ F, 0.056 $\mu$ F<br>>0.056 $\mu$ F, 0.082 $\mu$ F<br>>0.082 $\mu$ F, 0.12 $\mu$ F<br>>0.12 $\mu$ F, 0.18 $\mu$ F<br>0.18 $\mu$ F |
| Voltage Display:        | 4 digit LED display  |
| Voltage Meter Accuracy: | 400 to 999V $\pm 10V$ , 1000 to 4000V $\pm 30V$  |
| Duty Cycle:             | A pulse every 60s for the test above 2kV, 30s for 2kV or less  |
| Line Voltage:           | 120V AC, 50/60Hz *optional different line voltage  |



## Environmental

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



## General

|                  |   |
|------------------|---|
| Dimensions:      | 17" wide x 12" high x 17" in deep   |
| Weight:          | 40 lbs approx   |
| Product Package: | <ul style="list-style-type: none"><li>• Megapulse Capacitor series B tester</li><li>• Megapulse Capacitor series B product manual</li><li>• High Voltage Test Lead (Black), 4 feet</li><li>• High Voltage Test Lead (Red), 4 feet</li><li>• NIST traceable calibration certificate to ANSI Z540</li><li>• Calibration waveforms</li></ul> |



## Options

|                  |  |
|------------------|--|
| 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 is for 220V, 230 for 230V and 240 for 240V.   |

