

## SURGE GENERATOR FOR GR-1089 Table 4-2: MegaPulse 10x1000s-1 6/10 ohm

# FAST - SAFE - RELIABLE



## HIGH VOLTAGE IMPULSE GENERATOR

Surge testers built to the requirements of GR-1089 for use in testing to Issue 3, Table 4-2, Line 1 and Line 3. Output is 1000V max, 100A max, voltage and current waveshapes are 10x1000uSec.

Continuing the Compliance West USA notion that smaller and cheaper is better if the job gets done. We continue our line of surge testers by providing a surge tester built to the requirements of Gr1089. This tester is available in 1000V or 2000V max voltage, 6 or 10 ohms virtual impedance, and 1, 2, 3 or 4 channel outputs.

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## FEATURES

### MegaPulse 10x1000s-1 6/10 Ohm

1kV max output to perform the test described in GR-1089, 3rd Ed, Table 4-2, Line 1 and 3. The virtual impedance is 6 ohm (Test 1) or 10 ohm (Test 3), and tester will charge within 1 minute in accordance with the repetition rate required. Positive and negative going pulses are generated in accordance with the requirements. Pulse polarity is controlled with a front panel button.

For automated pulse train testing use our MegaPulse Testminder option, which allows automated pulse train testing including polarity switching controlled from a PC. The MegaPulse 10x1000s-1 ships with cables, graphs of theoretical and actual waveforms, and a Calibration Certificate. One year warranty. One year calibration cycle.

## SPECIFICATIONS

- Model: MegaPulse 11x1000s-1 6/10 ohm.
- Tolerance judged with the requirements of En61000-4-5, Table 2.
- Voltage open circuit: 1000V max, adjustable by front panel knob.
- No load voltage waveshape 10x1000uSec.
- Short circuit current waveshape 10x1000uSec.
- Internal virtual resistor: 6 ohm and 10 ohm taps, each  $\pm 10\%$ .
- Polarity: Pos / Neg.
- Non-floating outputs.
- 2000V output and multiple channels available.
- Trigger: Manually or PC automation. (optional)
- Input Power: 120V/60 Hz or 220V/50 Hz or 240V/50 Hz
- Weight: 40 lbs.
- Dimensions: 3Ux17in Tester

## ENVIRONMENTAL

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

## ***Compliance West USA***

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### AVAILABLE OPTIONS

- Option 240: 240v mains input.
- Option RI: PLC Interface Relay Board.
- Option BNCV: 1000:1 BNC Voltage Output.
- Option BNCI: Current Shunt BNC Output.
- Option TMM: MegaPulse TestMinder Computer Control.

