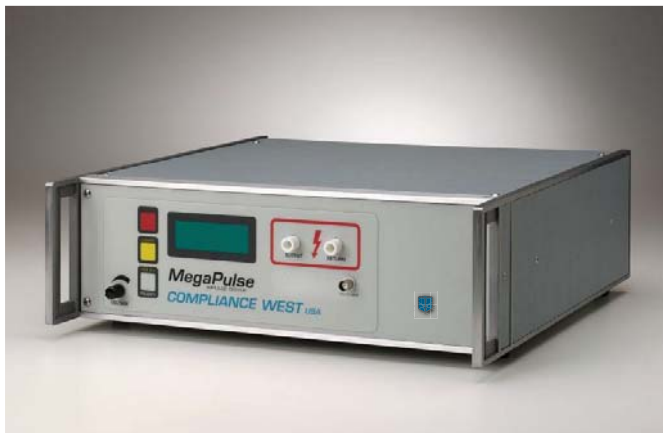




SURGE TESTERS / GR-1089 testers

MegaPulse 2x10s-1.5-2 8/15ohm



↘ Dual-Channel Intra-Building Lightning Surge Tester

↘ FEATURES

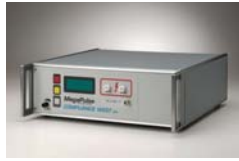
Surge Tester built to the requirements of GR-1089 Issue 3 Table 4-5, for use in conducting the Differential and Longitudinal tests described.

- Allows 100A delivery to both single-channel 800V differential test and dual-channel 1500V longitudinal test described in Issue 3, Table 4-5.
- In compliance with tolerances noted in GR-1089, Issue 3, App. A.
- Positive and negative waveform delivery as required. Choose via a front panel button.
- 100A waveform output @ 800V using 8 ohm tap/1500V using 15 ohm tap.
- Constructed in accordance with dual channel requirements as shown in GR-1089, Issue 3, Fig. 4-2.
- Grounded outputs.
- Available options allow pulse control via computer or PLC.
- Voltage and current waveforms: 2 uSec rise, 10 uSec duration, up to 1500V.



The blue box that tests. And tests.

MegaPulse 2x10s-1.5-2 8/15ohm



GENERAL ▾

MegaPulse 2x10s-1.5-2 8/15 ohm

1.5kV output to perform in accordance with the requirements of GR-1089, Issue 3, Table 4-5 Intra-Building Lightning Surge. The tests require an 800V differential test and a 1500V longitudinal test; each at a required power level of 100A/ch peak into a short circuit. This is a two-channel tester built in accordance with GR-1089, Issue 3, Fig. 4-2 (one 200A source with two outputs in parallel). When used to perform differential testing, the user shorts the unused channel, so 100A is available to the DUT. To use this tester for Table 4-5, Intra-Building Lightning Surge:

Surge 1: Set the voltage output to 800V using the front panel knob. Connect one of the MegaPulse 8 ohm outputs to the DUT in accordance with Table 4-1 Test Condition A1 or A2. Short the other MegaPulse 8 ohm output to ground.

Surge 2: Set the voltage output to 1500V using the front panel knob. Connect the 15 ohm MegaPulse outputs to the DUT in accordance with Table 4-2 Test Condition B.

When the tester is used in accordance with the instructions above the outputs are in compliance with the tolerance requirements of GR-1089 Issue 3, Appendix A.

The MegaPulse 2x10s-1.5-2 8/15 ohm ships with cables, graphs of actual waveforms, and a Calibration Certificate traceable to NIST to the requirements of MIL-STD-45662-A. One year warranty. One year calibration cycle.



ENVIRONMENTAL ▾

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



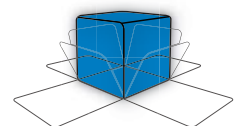
SPECIFICATIONS ▾

Model:	MegaPulse 2x10s-1.5-2 8/15 ohm
Tolerance:	Judged by GR-1089, Issue 3 Appendix A.
Voltage Open Circuit:	800V or 1500V
No load voltage waveshape:	2 uSec rise, 10 uSec duration
Short circuit voltage waveshape:	2 uSec rise, 10 uSec duration
Internal virtual resistor:	8 or 15 ohm ±10%
Polarity:	Positive / Negative, chosen by front panel button
Outputs:	Grounded outputs.
Trigger:	Manually or PC automation (optional)
Input Power:	120V/60Hz or 220V/50Hz (optional) or 240V/50 Hz (optional)
Weight:	35 lbs.
Dimensions:	3Ux17in high by 17in wide
Charge Time:	5 seconds



OPTIONS ▾

Option TMM	TestMinder MegaPulse, Computer Pulse control
Option BNCV; BNCI	Voltage or Current BNC 100:1. Reference only because of distortions in the time domain
Option RI	PLC Interface Relay Board
Option FC:	Fast charge power supply



The blue box that tests. And tests.