



SURGE TESTERS / GR-1089 testers

# 10x250Telco: To 4000V, 2000A



➤ MegaPulse 10x250Telco: 4000V, 1.5/2/8 ohm GR-1089 tester

## ➤ 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.

This tester outputs three 10x250uSec Voltage / 10x250uSec Current waveforms for Lightning Surge testing in GR-1089. All outputs are in tolerance with GR-1089 Iss. 4 App. A requirements.

- 4000V, 500A dual channel (differential) output
- 3000V, 2000A single ch. (longitudinal) output
- 4000V, 2000A single ch. (longitudinal) output

Optional TestMinder MegaPulse computer control for conducting multi-pulse programs under computer control. Optional switch-controlled polarity for true test automation.

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.

Compliance West USA

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

Call [800] 748-6224

# MegaPulse 10x250Telco



## ELECTRICAL

Output:	Up to 4000 Volts open circuit; controlled by front panel knob and displayed on voltage meter. Up to 2000 Amps. 2000 Amps developed into short circuit*. Virtual Impedance: 2 ohm longitudinal/1.5 ohm longitudinal/8 ohm differential outputs provided on front panel.
Voltage Waveform:	10x250us @ 400-4000V Open Circuit: Per GR-1089 Iss. 4 App. A Rise 10uSec +0, -6uSec Duration 250uSec +150uSec, -0uSec
Current Waveform:	10x250us @ 2000A/500A Short Circuit*: Per GR-1089 Iss. 4 App. A Rise 10uSec +0, -3uSec Duration 250uSec +50uSec, -0uSec
Amplitude:	*when bulk cap charged to 4kV. Lower values of Vo will result in lower short circuit currents. Tolerance still applies. 10x250uSec @ 4000V/3000V -0%, +16% 10x250uSec @ 2000A/500A* -0%, +16%
Charge Time:	One minute or less. 25-30 seconds typ.



## ENVIRONMENTAL

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



## GENERAL

Input Power Requirements:	114-128V, 50/60Hz, 5A
Weight:	90 lbs. approx.
Dimensions:	26 in. (W) x 30 in. (H) x 21 in. (L) (subject to change)



## OPTIONS AND OPERATION

Standard operation:	Operator connects the provided output and return cables to the MegaPulse and the DUT. Operator pushes the CHARGE button on the front panel and waits until the front panel meter reads desired voltage. Operator conducts the test by pushing the TRIGGER button on the front panel.
TestMinder option (00-TMM):	Same as above except CHARGE/TRIGGER can be controlled via PC for multiple output test programs. Polarity changes are still manual by switching leads.
Polarity Switch Option (00-TELP)	CHARGE/TRIGGER/POLARITY can be controlled via PC (with 00-TMM). Polarity switchable via front panel button instead of switching leads.
Other options:	00-240: 240V mains operation. 00-RI: Relay isolated relays for connection to customer PLC. (TELP required if polarity switch via RI is desired).



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