



MegaPulse

10X700-7PF 39

PN: 00-MP10x700-7PF 39

❖ EN60950 Surge Tester, 10x700 waveform output: 1-7KV at bulk cap.



A Compliance West surge Tester. That means it outputs a guaranteed waveform, time after time.

Complies with the standard EN60950, Annex N, Table N.1, Line 1 for Data Processing Equipment. This tester can test for the Australian Derivation, which requires a 7kV peak surge. The waveform is in tolerance with the requirements of IEC 1180 from 1000-7000V at the bulk cap and has an output impedance of 40Ω. The front panel meter reads the bulk-cap voltage (not the output voltage) in accordance with the requirements of Annex N.

*Actual products may vary depending on options and configuration.

➤ Features

- Up to 7KV test voltage on bulk cap.
- Optional BNC 1000:1 monitoring output.
- Digital output voltage knob on the front panel.
- Integrated High Voltage on hold circuit.
- External interlock disables HV output and defeats test when circuit is open.
- Ergonomically designed for safety, speed, and efficiency.
- Front panel indicates internal HV and polarity.
- Polarity button selector on the front panel.
- Microcontroller technologies.
- Optional USB TestMinder, computer control.
- Leads, manual and calibration certificate included.
- One year calibration cycle
- One year warranty.



➤ Specifications

TESTING CIRCUITRY

Output Peak Voltage at 7KV:	6838 ±3%.
Open Circuit Rise Time:	9.13uS ±30% [Trise=1.67(T90%-T30%)] per IEC 1180.
Virtual Impedance:	40Ω.
Open Circuit Duration Time:	716uS ±20% (Time to half-value) per IEC 1180
Current Waveform:	Not Defined.
Voltage Control:	Manually, by turning a knob in the front panel or via USB.
Polarity Control:	Positive and Negative. Alternating control available with USB.
Voltage Display:	4 Digit LED Display.
Voltage Meter resolution:	5V.
Voltage Meter Accuracy:	±1%.
Charge Time:	<15 seconds.

ELECTRICAL

Line Voltage:	120V AC, 50/60Hz. 230V AC ±10%, 50Hz ±1Hz.
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SAFETY

Safety Interlock	2-pin terminal block on rear panel; shorted for operation.
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OUTPUTS - FRONT

OUTPUT:	High Voltage insulated, 15KV rating.
RETURN:	High Voltage insulated, 15KV rating.
1000:1:	BNC (optional).

OUTPUTS - REAR

TESTMNINDER:	DB9 Female (optional).
Inlet Module:	Inlet module with fuse and power switch combination.

➤ Environmental

Operating Temperature:	15-28 °C.
Relative Humidity Range:	0-90% non-condensing.

➤ General

Dimensions:	17" wide x 11" high x 17" deep.
Weight:	40 lbs. approx.
Product Package:	<ul style="list-style-type: none"> • Megapulse 10X700-7PF Tester. • Megapulse 10X700-7PF User Manual. • High Voltage Test Leads Qty 2. • NIST traceable calibration certificate to ANSI Z540 and data. • Calibration waveforms report.



➤ Options

00-TMM-PF	TestMider PC control for PF series.
00-BNCV	Voltage BNC monitoring waveform output.
00-MP-RC-01:	Remote Control (wired).
00-MP-RC-01-CA-20	MegaPulse Remote Control Cable 20ft
00-IER:	IEC65 Fig. 7b Switch compliant.
00-MP220, MP230, MP240:	220V, 230V or 240V mains tester operation available.
80-100-004:	Pelican Case with foam for 3U tester.
A2LA-TECH-MP	ISO17025 Calibration

Rev 3.0

