



MegaPulse

1.2x50-8x20-2.5PF 12Ω

PN:00-MP1.2x50-8x20-2.5PF 12

❖ EN 60060 Combination Tester 2.5kV with 12Ω output.



The MegaPulse 1.2x50/8x20-2.5PF 12 is a combination tester, with a 30 second cycle time. It can produce a combination test waveform at 12Ω 2.5kV, in tolerance with EN 60060.

In Compliance with IEC 61010-1 Ed. 3 para 14.8 table 21.

*Actual products may vary depending on options and configuration.

➤ Features

- 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.
- Microcontroller technologies.
- Front panel indicates internal HV and polarity.
- Polarity button selector on the front panel.
- Grounded Output.
- Optional USB TestMinder, computer control.
- Auto-trigger via TestMinder USB.
- Leads, manual and calibration certificate included.
- One year calibration cycle
- One year warranty.



➤ Specifications

TESTING CIRCUITRY

Max Output Peak Voltage:	2500V.
Open Circuit Rise Time:	1.2uS, ±30% (Trise=1.67*(T90%-T30%).
Open Circuit Duration Time:	50uS, ±20%.

Short Peak Current:	208.33A @ 2500V, ±10%.
Short Circuit Rise Time	8uS ±10% (Trise=1.25*(T90%-T10%).
Short Circuit Duration Time:	20uS, ±10%.

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%.
Duty Cycle:	30s between pulses.

ELECTRICAL

Line Voltage:	120V AC, 50/60Hz. Optional 230V AC ±10%, 50 Hz ±1 Hz (CE for EU).
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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 rigid 4mm socket – Red.
RETURN:	High Voltage insulated rigid 4mm socket – Black.

OUTPUTS - REAR

TESTMINDER:	DB9 Female.
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 3U high x 17" deep.
Weight:	22 lbs. approx.
Product Package:	<ul style="list-style-type: none"> • Megapulse 1.2x50/8x20-2.5PF 12Ω Tester. • Megapulse 1.2x50/8x20-2.5PF 12Ω User Manual. • High Voltage Test Leads Qty 1 (Red), Qty 1 (Black) • NIST traceable calibration certificate to ANSI Z540 • Calibration waveforms



➤ Options

00-MP220, MP230, MP240:	220V, 230V or 240V mains tester operation available.
00-TMM-PF	TestMinder Computer Control
00-RI	Relay Interface Control.
00-CASE-6U:	Pelican Case with foam.
A2LA-TECH-MP	ISO17025 Calibration

➤ Images



FRONT



REAR

