

MegaPulse Defib Surge P



Per EN45502-1 Sec. 20- Protection from External Defibrillators Test 1

A Compliance West surge Tester. That means it outputs a guaranteed waveform but won't break the bank. The tester outputs the waveform it is supposed to, time after time.

The Defib Surge P outputs the pulse shown in EN45502-1 Section 20, test 1 "Damped sinus defibrillation waveform"; with a source impedance less than 10Ω and the $300\Omega \pm 15\Omega$ supplied within the enclosure.

FEATURES

Up to 140 V test voltage.

Microcontroller technologies, front panel voltage meter indicates test peak open circuit voltage and polarity.

Output voltage and polarity are controlled manually from the front panel.

Ergonomically designed for safety, speed and efficiency.

Cables, manual and calibration certificate included.

Optional USB Testminder, computer control.

Optional external interlock disables HV output and defeats test when circuit is open.

One year calibration cycle.

One year warranty.

MegaPulse Defib Surge P

Specifications

Output Voltage (V _{test}):	0 - 140 V tolerance -0V, +7V
Rise Time (T _p):	$1.5\text{mS} \leq T_p \leq 2.5\text{mS}$
Duration (T _{w50}):	$3\text{mS} \leq T_{w50} \leq 5.5\text{mS}$
Source Impedance:	$<10 \Omega$
R out:	$300 \Omega \pm 15 \Omega$, additional 25Ω port to measure V _{test}
Voltage Control:	Manually, by turning a knob in the front panel
Polarity Control:	Positive and Negative. Alternating control available with optional computer control.
Voltage Display:	4 Digit LED Display
Voltage Meter Accuracy:	$0 \text{ to } 140 \text{ V} \pm 2 \text{ V}$
Duty Cycle:	1 pulse every 20s
Line Voltage:	120V AC, 50/60Hz *optional different line voltage

Environmental

Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90 % Non-Condensing

General

Dimensions:	10" Wide x 5" High x 12" in Deep.
Weight:	12 lbs approx.
Product Package:	Megapulse Defib Surge P Tester Megapulse Defib Surge P Product Manual High Voltage Test Lead (Black), High Voltage Test Lead (Red), 1 per each output NIST Traceable Calibration Certificate to ANSI Z540 Calibration waveforms

Options

Option XI:	External interlock; two position terminal block on rear panel must be shorted for voltage operation.
Option TMM:	Testminder USB computer interface software. The tester can be controlled with a computer. It can also be set to automatically follow test sequences and keep a record with test information. Compatible with Windows 32bit platform.
Option 220, 230 or 240:	If a different line voltage is desired, with this option we install a step down transformer to be compatible with your line voltage. 220 is for 220V, 230 for 230V and 240 for 240V.