

# Surge Testers

## Megapulse Defib Surge P 380



### EN45502-2-2 Sec. 20 - External Defib Protection Test 1

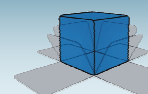
A Compliance West surge Tester. That means it outputs a guaranteed waveform but won't break the bank. The tester outputs the waveform it is supposed to, time after time.

Built in the USA. Email and phone support free for life. Reasonable repair and calibration charges. Timely and helpful customer service always.

The Defib Surge P 380 outputs the pulse shown in EN45502-2-2 Fig. 107; with a  $T_p$  of 1.5 – 2.5ms; and a  $T_{w50}$  of 3 - 5.5ms when discharged into the resistor network shown in Fig. 110. For tester protection, Fig. 110's R7 and R1 are supplied internally. In accordance with the standard, the Megapulse Defib Surge P 380 can recharge and trigger the next pulse within 20 seconds.

### Features

- Up to 380V 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.
- External interlock disables HV output and defeats test when circuit is open.
- Optional USB Testminder, computer control.
- Optional Resistor network of Fig. 110.
- One year calibration cycle.
- One year warranty.



# Megapulse Defib Surge P 380



## Specifications

Output Voltage ( $V_{test}$ ):	0 – 380 V +5%, -0%
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 $\Omega$
Rout:	R1 50 $\Omega$ $\pm$ 5%, R7 5 $\Omega$ $\pm$ 5%
Voltage Control:	Manually, by turning a knob in front panel
Polarity Control:	Positive and negative. Alternating control available with optional computer control
Voltage Display:	4 digit LED display
Voltage Meter Accuracy:	$\pm$ 4V
Duty Cycle:	1 pulse every 20 seconds
Line Voltage:	120V AC, 50/60Hz *optional different line voltage



## Environmental

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



## General

Dimensions:	17" wide x 3U high x 17" in deep
Weight:	30 lbs approx.
Product Package:	<ul style="list-style-type: none"><li>• Megapulse Defib Surge P 380 tester</li><li>• Megapulse Defib Surge P 380 product manual</li><li>• High Voltage Test Lead (Black), 4 feet</li><li>• Two High Voltage Test Leads (Red), 4 feet</li><li>• NIST traceable calibration certificate to ANSI Z540</li><li>• Calibration waveforms</li></ul>



## Options

XI:	External interlock; two position terminal block on the rear panel must be shorted for voltage operation.
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.
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.
Resistor Network:	Built in resistor network of Figure 110. Without the resistor network option the user must attach the remaining resistors outside the tester.

