



MEDICAL TESTERS / Defib Surge

MegaPulse Defib Surge



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

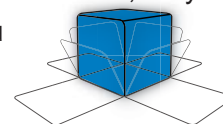
➤ FEATURES

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.

The Defib Surge outputs the pulse shown in EN45502-1 Para. 20.1; with $C = 330\mu\text{F} \pm 5\%$, $L = 13.3 \text{ mH} \pm 1\%$, and $R_l + R_c = 10 \text{ ohms} \pm 2\%$. The $300 \text{ ohm} \pm 2\%$ resistor is supplied within the enclosure. The output voltage is $140\text{V} \pm 5\%$. In accordance with the Standard, the MegaPulse Defib Surge 380 can recharge and fire the next pulse within 20 seconds. Polarity is changed with a front panel switch, or optionally the required pulse sequence shown in EN 45502-1 Para. 20.1 Fig. 2 can be set up on a PC using our TestMinder control package.

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?

*representative model; outputs not as pictured



The blue box that tests. And tests.

MegaPulse Defib Surge



ELECTRICAL ▾

Output:	140 Volts $\pm 5\%$ when fired into open circuit. 300 ohm resistor network shown as external in EN 45502-1 Para. 20.1 Figure 1 is included within the Defib Surge. Output voltage is controlled by front panel knob and displayed on voltage meter. Waveform is generated using values of $C=330\mu F \pm 5\%$; $L=13.3mH \pm 1\%$; and $R_L+R_G=10\text{ohm} \pm 2\%$; referencing Standard Para. 20.1.
Voltage Waveform:	Not defined; controlled by circuit topology and component values.
Current Waveform:	Not defined; controlled by voltage waveshape and impedance of the resistor bank.
Amplitude:	140V $\pm 5\%$ (IGBT switch results in clean waveform)
Charge Time:	20 seconds or less as required in Standard Fig. 2.
Meter Accuracy:	$\pm 3\%$ @ 140V
Test Adjustments:	Output voltage is controlled via front panel knob.



ENVIRONMENTAL ▾

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



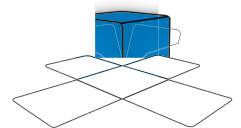
GENERAL ▾

Input Power Requirements:	114-128V, 50/60Hz, 3A
Weight:	35 lbs. approx.
Dimensions:	17 in. (W) x 3U (H) x 19 in. (L)



OPTIONS AND OPERATION ▾

Manual operation:	Operator connects the provided output and return cables to the MegaPulse. Operator selects waveform polarity, pushes the CHARGE button on the front panel and waits until the front panel meter reads 140V. Operator conducts the test by pushing the TRIGGER button on the front panel.
Options:	RI: Relay isolated relays for connection to customer PLC TMM: TestMinder allows test to be run from customer's PC. Includes timing capability to conduct tests per Fig. 2. 220, 230 or 240: 220, 230 or 240V mains operation.



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