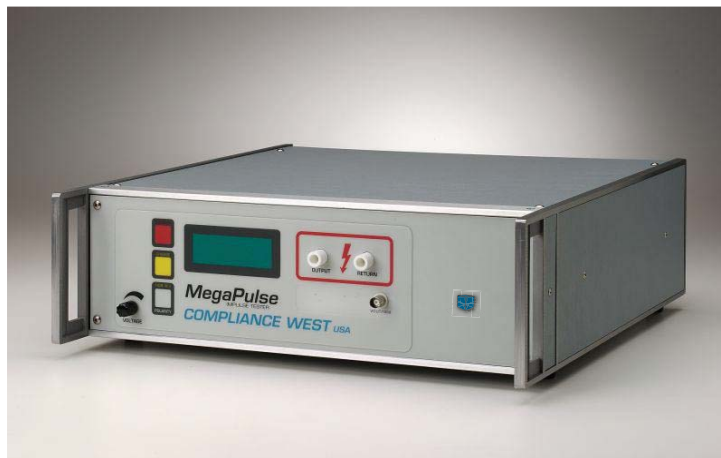




MegaPulse Biphasic prEN45502-2-2



➤ Per prEN45502-2-2:2006 Sec. 20 - External Defib Protection Test 2*

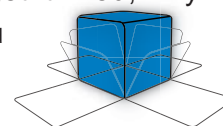
➤ FEATURES

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 Biphasic prEN45502-2-2 outputs the pulse described in prEN45502-2-2 Para. 20, Section *Test 2*. A front panel switch chooses the mono- or biphasic output from Standard Table 103 when fired into the resistor network shown in Fig. 110. For tester protection, Fig. 110's R7 and R1 are supplied internally; the user must attach the remaining resistors outside the tester. In accordance with the Standard, the MegaPulse Biphasic prEN45502-2-2 can recharge and fire the next pulse within 20 seconds.

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 380



ELECTRICAL

Output:

Mono- or Biphasic Waveform per Standard Table 103 when fired into resistor network of prEN45502-2-2 Fig. 110; maximum voltage is controlled by front panel knob and displayed on voltage meter. Resistor network is available from Compliance West, see Option RN110 below. Polarity is selectable via front panel switch.

Waveform is generated using values of $C=150\mu F \pm 50\mu F$ and resistor values per Table 110. Waveform is in accordance with Fig. 112 and Table 103.

Voltage Waveform:

Waveform	Pulse duration: T_d	Risetime: t_r	Falltime: t_f	Commutation time: t_c
Monophasic	9.5 ms < T_d < 10.5 ms	$1\mu s < t_r < 5\mu s$	$1\mu s < t_f < 5\mu s$	Not applicable
Biphasic	9.5 ms < T_d < 10.5 ms	$1\mu s < t_r < 5\mu s$	$1\mu s < t_f < 5\mu s$	$t_c \leq 2\text{ ms}$

Current Waveform:

Not defined; controlled by voltage waveshape and impedance of the resistor bank.

Amplitude:

270V +5%, -0%

Charge Time:

25 seconds or less as required in Standard Para 20.2 Section *Test 2*.



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 and the external resistor bank Fig. 110; and the DUT per Standard Para 20.2 Section *Test 2*. Output R1 connects to point C and Output R7 connects to the R2 R3 R8 node of the resistor bank. The Return output connects to point B. Note: Point A is inside the MegaPulse Biphasic prEN45502-2-2. Operator selects waveform polarity, pushes the CHARGE button on the front panel and waits until the front panel meter reads 270V. 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 Standard.

RI110: Resistor bank per Standard Fig 110 (incl. R1 and R7)

240: 240V mains operation.



The blue box that tests. And tests.