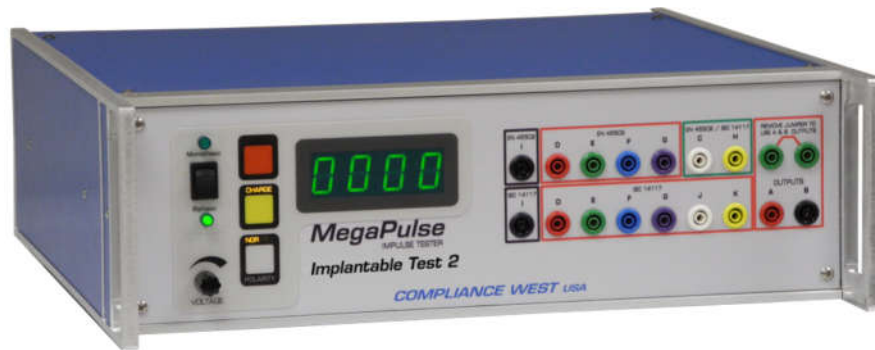


Surge Testers



MegaPulse Implantable Test 2



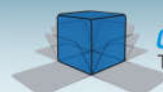
MegaPulse Implantable Test 2

The MegaPulse Implantable Test 2 outputs the truncated exponential, monophasic and biphasic, pulse shown in Test 2 of EN45502-2-2, EN45502-1, ISO14117-1 and ISO14708-1. Front panel switch chooses the mono- or biphasic output. All resistor networks are supplied. In accordance with the standard, the MegaPulse Implantable Test 2 can recharge and trigger the next pulse within 20 seconds.

Reasonable repair and calibration charges. Timely and helpful customer service always.

Features

- Biphasic and monophasic, 140V and 270V peak test voltages in accordance with Standard requirements.
- 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.
- External interlock disables HV output and defeats test when circuit is open.
- Optional USB Testminder, computer control.
- One year calibration cycle.
- One year warranty.
- Cables, manual and NIST calibration certificate included. A2LA calibration available.



MegaPulse Implantable Test 2

Specifications

Truncated Exponential Peak 140V/270 V +5%, -0%

Voltage (V_{test}):

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

Voltage Control:

Polarity Control:

Voltage Display:

Voltage Meter Accuracy:

Duty Cycle:

Line Voltage:

Manually, by turning a knob in front panel

Positive and negative. Alternating control available with optional computer control

4 digit LED display

$\pm 3\text{V}$

1 pulse every 20 seconds continuous

120V AC, 50/60Hz *optional different line voltage

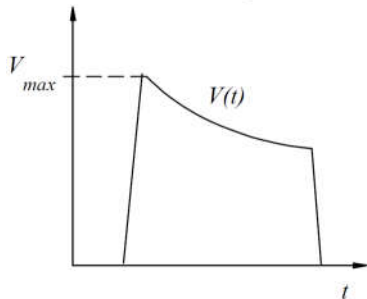


Figure 1. Monophasic waveform.

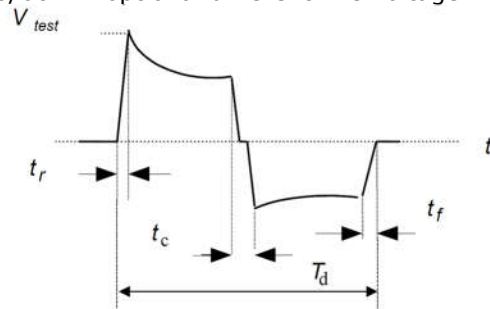


Figure 2. Biphasic waveform.

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:

- MegaPulse Implantable Test 2 tester
- MegaPulse Implantable Test 2 product manual
- High Voltage Test Lead (Black), 4 feet
- Two High Voltage Test Leads (Red), 4 feet
- NIST traceable calibration certificate to ANSI Z540
- Calibration waveforms

Options

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.