

# Surge Testers



## MegaPulse Implantable Test 1



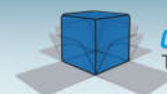
### Megapulse Implantable Test 1

The MegaPulse Implantable Test 1 outputs the damped sinus pulse described in Test 1 of EN45502-2-2, EN45502-1, ISO14117-1 and ISO14708-1; with a  $T_p$  of 1.5 – 2.5ms; and a  $T_{w50}$  of 3 - 5.5ms when discharged into the resistor network, all resistor networks are supplied. In accordance with the standard, the MegaPulse Implantable Test 1 can recharge and trigger the next pulse within 20 seconds.

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

### Features

- 140V and 380V test voltages.
- 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 1

## Specifications

Output Voltage ( $V_{test}$ ):	Damped sinus, peak 140V/380V +5%, -0%
Rise Time ( $T_p$ ):	$1.5ms \leq T_p \leq 2.5ms$ ( See <b>Figure 1</b> )
Duration ( $T_{w50}$ ):	$3ms \leq T_{w50} \leq 5.5ms$ ( See <b>Figure 1</b> )
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 (See <b>Figure 2</b> )
Line Voltage:	120V AC, 50/60Hz *optional different line voltage

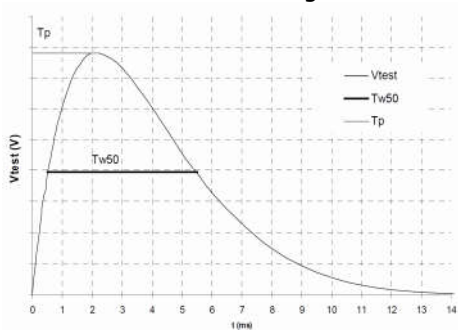


Figure 1. Damped sinus waveform.

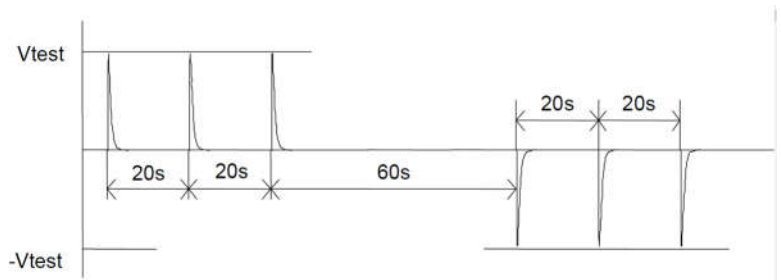


Figure 2. Timing sequence used for test.

## 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 Implantable Test 1 tester</li><li>• MegaPulse Implantable Test 1 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

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.