

# Laser Sys Stim™ 540

## Specifications

### Mains Supply Requirements:

Voltage	110 to 240 Volts AC
Frequency	50/60 Hz
Power less than 150 VA	

### Laser Performance:

Output Power	Dependent on Probe (automatically sensed) Laser Diode Probe 80 mW at 785 nm Optional: [SLD/LED Cluster Probe 500 mW at 660/950nm]
Delivered Energy	0.01 to 99.99 Joules
Operation Modes	Continuous & pulsed
Pulse Mode:	
Pulse Width	Laser 100 µs nominal [SLD/LED 50% duty cycle]
Pulse Frequency	A) Continuous B) 10 Hz, 25 Hz, 50 Hz, 100 Hz, 250 Hz, 500 Hz, 1 kHz, 2.5 kHz, 5 kHz (Pulses per Second) C) Sweep from 10 Hz to 5 kHz (inc continuous) in 10 seconds (1 second at each step)
Timer	0 to 99 minutes 59 seconds, 1 sec. increments (decrementing). Audible signal and output termination at time expiration
Eye Protection	Spectacles with a minimum of 80% attenuation in the wavelength range of 780 nm to 860 nm. The Uvex glasses supplied with the unit meet these requirements.

### Output Meter:

Output Meter	Infrared Photo Sensor Integrated in to Top Panel, with 20 segment LED bargraph display. Note: For laser power measurement only.
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### Battery:

Battery	Sealed Lead Acid, 12 Volt, 0.8 AH
Operation Time	Greater than 30 minutes

### Electrical Safety:

International Standards: EN60601-1 1990	Approval and Test Specification Medical Electrical Equipment General Requirements.
EN60601-2-22 1996	Approval and Test Specification Medical Electrical Equipment Particular Requirements for Safety - Diagnostic and Therapeutic Laser Equipment.
Applied Parts:	Laser Probe and (optional) SLD/LED Probes
Applied Parts Classification:	BF
Device Classification:	Class I Equipment

### Dimensions:

Width	9.4 inches
Height	4.7 inches
Depth	9.4 inches

### Weight:

Packed	6.6 lbs.
Unpacked	5.5 lbs.

