

# 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  $\mu$ s 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 kHz, 5 kHz (Pulses per Second)  
C) Sweep from 10 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.

### 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.

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