

Metron Advanced Laser

Specifications

<u>Mains supply requirements</u>	
Voltage	110 to 240 volts AC
Frequency	50 - 60 Hz
Power	Less than 150 VA
<u>Fuses</u>	
IEC Mains	2 of 1A (5 x 20mm) DA205 Delay (T)
Secondary internal	2 of 2A (5 x 20mm) M205
<u>Internal switch mode power supply</u>	
Switch mode Power supply unit compliant with EN60601-1:1998 and subsequent amendments.	
Secondary voltage	24 Volts @ 2.7A
<u>Laser performance</u>	
Output power	Dependant on probe (automatically sensed) Laser Diode Probe 100 mW @ 830nm Optional: SLD/LED Cluster Probe 500mW @ 660/950nm
Delivered energy	0.01 to 99.99 Joules
Operation modes	Continuous & pulsed
Pulse mode:	
Pulse width	100 uS nominal
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 each step)
Timer	0 - 99 minutes 59 seconds, 1 sec increments (decrementing). Audible signal and output termination at time expiration
<u>Probe (100 mW)</u>	
Lasing device	Single GaAs Diode
Wavelength	Nominal 810 nm (+/- 10 nm)
Power	100 mW (+/- 10 mW)
Treatment area illumination	3 x Blue LED's (470 nm, visible through eyewear protection that attenuates Infrared/Near infrared)
Output Activation	Capacitance switch on laser probe handle