



EO-S-xxx-L series

LD PUMPED ALL-SOLID-STATE ACTIVELY LASER

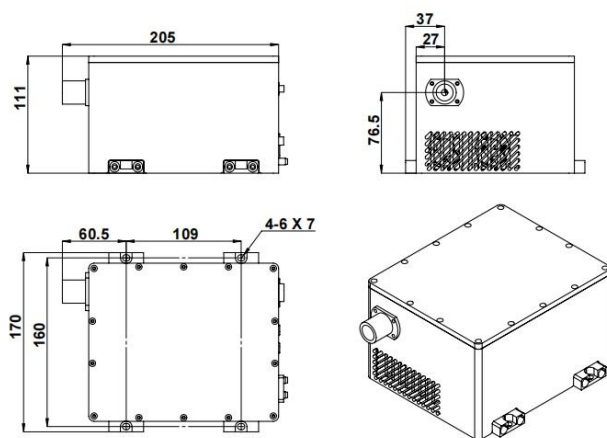
All solid state actively laser has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in laser distance measuring, laser Radar, laser Raman, ICP-MS, LIBS, scientific research and so on.



SPECIFICATIONS

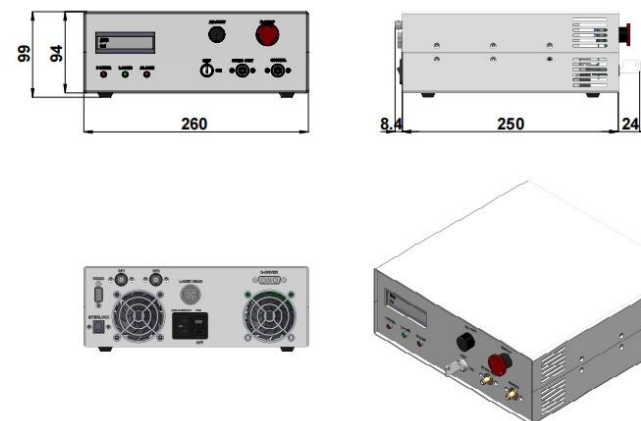
Wavelength (nm)	355±1	532±1	1064±1
Operating mode	Actively		
Average power (mW) ¹	1-10	1-50	1-100
Single pulse energy (μJ) ²	1-10	1-50	1-100
Pulse duration (ns) ³	~5		
Peak power (kW)	0.2-2	0.2-10	0.2-20
Rep. rate ⁴	10Hz-1kHz		
Jitter (ns, sdev)	<0.2 (Ext)		
Power stability (rms, 4 hours ±3°C)	<5%, <3%	<3%, <2%, <1%	
Transverse mode	TEM ₀₀		
M ²	<2	<1.5	
Beam diameter at the aperture 1/e ² (mm)	~1.5		
Beam divergence, full angle (mrad)	<1.5		
Warm-up time (minutes)	<10		
Beam height from base plate (mm)	76.5		
Operating temperature (°C)	10-35		
Power supply (100-240VAC)	PSU-EOM-L		
Expected lifetime (hours)	>10000		

LASER HEAD



205 (L) × 170 (W) × 111 (H) mm³, 4.2kg

POWER SUPPLY⁵



283.2 (L) × 260 (W) × 99 (H) mm³, 3.6kg

1 Average power (mW)= Single pulse energy (μJ)* Rep. rate(kHz)

2 Any energy level can be selected within this range.

3 Pulse width not tunable, the value varies with different frequency and energy.

4 Frequency is adjustable within this range.

5 Output energy adjustable 10-100%;