

AO-Mini-E-1319/100-500mW/10-100μJ



LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser AO-Mini-E-1319 has the features of high repetition rate, which is widely used in marking on harder metals such as Titanium, Inconel, or Tool Steel.

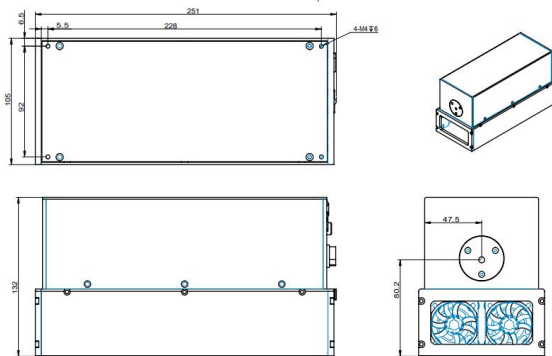


SPECIFICATIONS

Wavelength (nm)	1319±1	
Operating mode	Actively	
Average power (mW)	140@1kHz	500@50kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	100@1kHz	10@50kHz
Rep. rate ¹	1-50kHz	
Pulse duration (ns) ²	~50@1kHz	~850@50kHz
Peak power (kW)	~2@1kHz	~0.01@50kHz
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Beam height from base plate (mm)	80.2	
Warm-up time (minutes)	<10	
Cooled method	Air cooled	
Operating temperature (°C)	10-35	
Operating voltage (VDC)	24V/14.5A	
Expected lifetime (hours)	>10000	

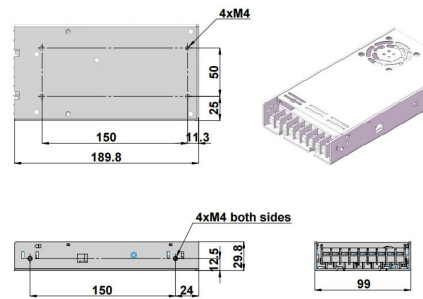


LASER HEAD (Driver Integrated)



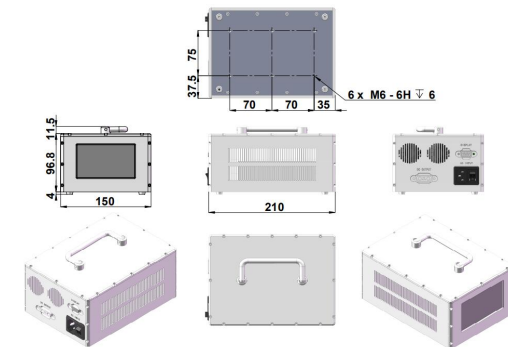
251 (L) × 105 (W) × 132 (H) mm³, 2.2 kg

POWER SUPPLY PSU-24 (100-240VAC) optional



189.8 (L) × 99 (W) × 29.8 (H) mm³, 0.8 kg

POWER SUPPLY PSU-24-P³ (100-240VAC) optional



210 (L) × 150 (W) × 112.3 (H) mm³, 2.75 kg

1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

3 Parameters can be adjusted.(on/off, Rep.

Website: www.precisometer.com E-mail: info@precisometer.com