

AO-Mini-E-1319 /1~100μJ/1~500mW



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

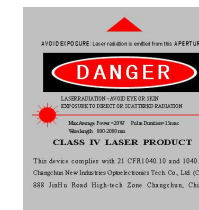
All solid state AOM Q-switched laser AO-Mini-E-1319 has the features of high repetition rate, which is widely used in marking on harder metals such as Titanium, Inconel, or Tool Steel.

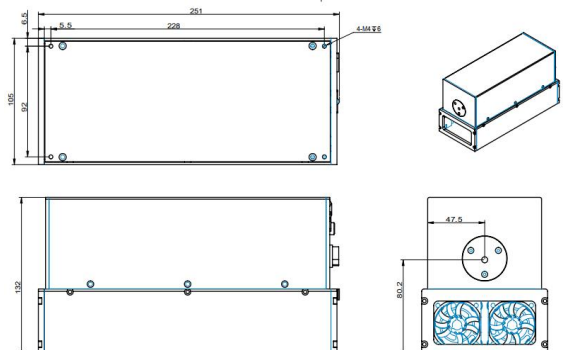
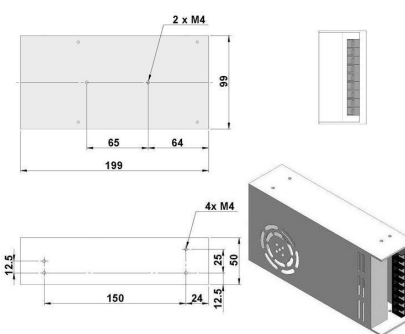
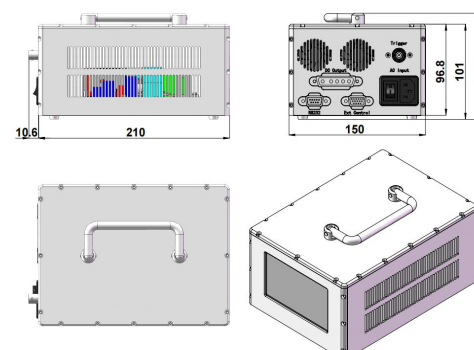


Note:

SPECIFICATIONS

Wavelength (nm)	1319±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	500mW @10kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	1~100 (100μJ @1kHz; 50μJ @10kHz; 10μJ @50kHz)
Rep. rate (kHz)	1~70
Pulse duration (ns)	100~200 @10kHz
Ave power stability (over 4 hours)	<5%, <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
Supply Voltage	DC 24V/13A (PSU-24/ PSU-24-P optional)



<p>AO-Mini-E-1319 <i>Integrated electronics</i> (heat sink included)</p>	<p>PSU-24^① (Power supply 100-240VAC)</p>	<p>PSU-24-P^② (Power supply 100-240VAC)</p>
 <p>251 (L) × 105 (W) × 132 (H) mm³, 2.2 kg</p>	 <p>DC24V 13A; 199 (L) × 99 (W) × 50 (H) mm³, 1 kg</p>	 <p>220.6 (L) × 150 (W) × 112.5 (H) mm³, 2.75 kg</p>

① Adaptor for 24V/13A.

② Adaptor for 24V/13A, and power control function is included.