



MSL-AO series

SINGLE LONGITUDINAL MODE LASER

All solid state single longitudinal mode laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	532±1	1064±1
Single pulse energy(μJ)	1-100	1-200
Operating mode	Acousto-Optic Q-switched	
Longitudinal mode	Single	
Pulse duration(ns)	<25	
Peak power(kW)	1-4	1-8
Rep.rate(Hz)	1-1000	
Polarization ratio	>100:1, Horizontal (Vertical Optional)	>100:1, Vertical (Horizontal Optional)
Ave power stability(over 4 hours)	<5%, <3%	
Beam divergence, full angle (mrad)	<2	
Beam diameter at the aperture (1/e ² , mm)	~2	
Beam height from base plate (mm)	59	
Warm-up time (minutes)	<20	
Cooled method (Water Cooled)	WCH-580	
Operating temperature (°C)	10-35	
Power supply (90-264VAC)	PSU-AOM(3U)	
Expected lifetime (hours)	10000	
Warranty	1 year	

Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD	POWER SUPPLY	Water Chiller (WCH-580)
<p>432(L) × 218(W) × 82(H) mm³, 9kg</p>	<p>483.5 (L) × 454 (W) × 147.5 (H) mm³, 8.3 kg</p>	<p>253.2(L) × 363.8(W) × 240.6(H) mm³, 11.0 kg</p>