

MSL-T-XXX series (701-1000nm)

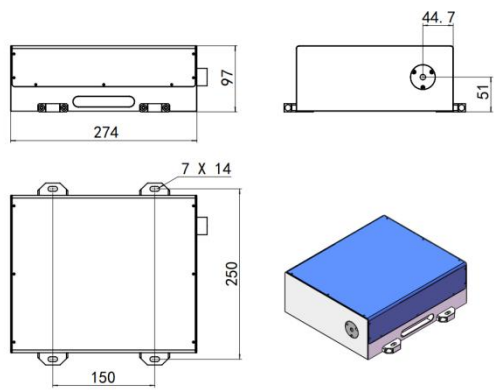
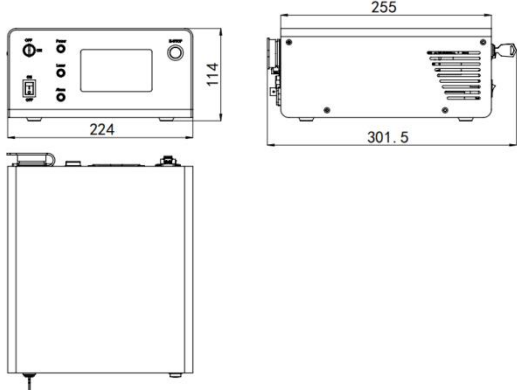
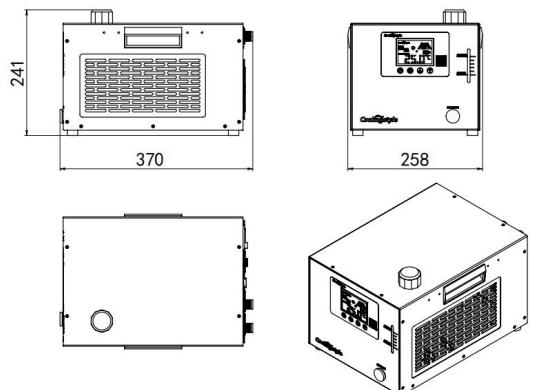
WATER COOLING CWSINGLE LONGITUDINAL LASER

All solid state single longitudinal mode laser is made features of ultra compact, which is widely used in quantum computing, cell sorting, laser cooling of potassium atoms, spectrum analysis, surface-enhanced Raman scattering, cold-atom physics, etc.



SPECIFICATIONS

Wavelength (nm)	729±1	770±1	785±1	808±1
Operating mode	CW			
Longitudinal mode	Single			
Output power (mW) ¹	1-300			
Spectral line width(nm)	<0.000005(<10MHz)			
Coherent length (m)	>10			
Power stability (rms, 4 hours±3°C)	<2%, <1%			
Beam divergence, full angle (mrad)	<1			
Beam diameter at the aperture (1/e ² ,mm)	<2			
M ²	<1.2			
Noise of amplitude (rms,20Hz-20MHz)	<1%			
Polarization ratio	>100:1,Vertical(Horizontal optional)			
Beam height from base plate (mm)	51			
Cooled method	Water cooled			
Operating temperature (°C)	15-35			
Power supply (220/110VAC)	RAD1PS			
Expected lifetime (hours)	>10000			

<p>LASER HEAD</p>  <p>274 (L) ×250(W) ×97(H) mm³, 8.2 kg</p>	<p>POWER SUPPLY²</p>  <p>301.5(L) ×224(W) ×114(H) mm 3, 2.3 kg</p>	<p>WATER CHILL</p>  <p>370(L) ×258 (W) ×240.6(H) mm³, 8.3 kg</p>
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1 Any power level can be selected in this range.

2 Fixed output power.