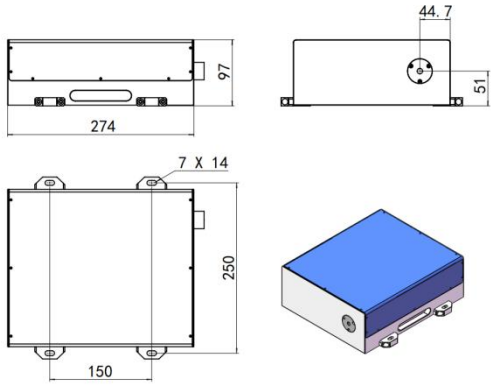
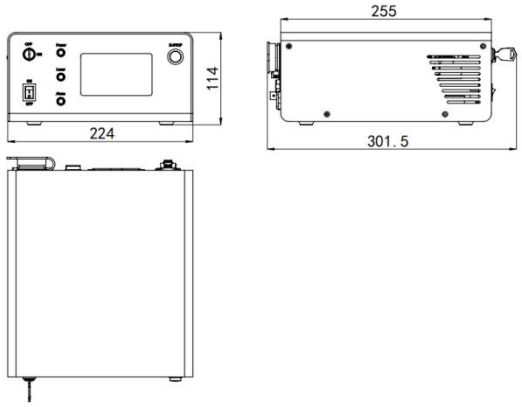
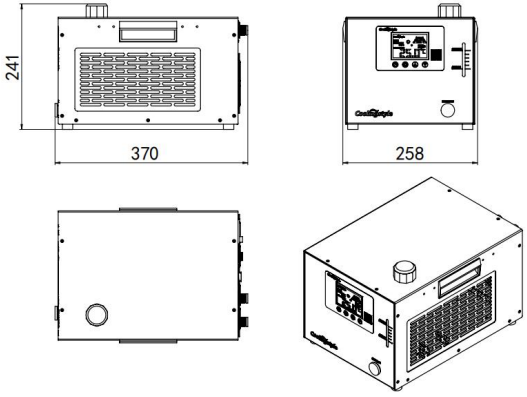
MSL-T-XXX series (701-1000nm)

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	780±1	785±1	808±1	813±1	852±1
Operating mode	CW						
Longitudinal mode	Single						
Output power (mW)[1]	1-300						
Spectral line width (nm)	<0.000005(<10MHz)						
Coherent length (m)	>30						
Power stability (rms, 4 hours±3℃)	<1%, <0.5%						
Beam divergence, full angle (mrad)	<1						
Beam diameter at the aperture (1/e²,mm)	<2						
M²	<1.2						
Noise of amplitude (rms,20Hz-20MHz)	<0.5%						
Polarization ratio	>100:1,Vertical(Horizontal optional)						
Beam height from base plate (mm)	51						
Cooled method	Water cooled						
Operating temperature (℃)	15-35						
Power supply (220/110VAC)	RAD1PS						
Expected lifetime (hours)	>10000						

LASER HEAD	POWER SUPPLY[2]	WATER CHILL
		
274 (L) ×250(W) ×97(H) mm³, 8.2 kg	301.5(L) ×224(W) ×114(H) mm 3, 2.3 kg	370(L) ×258 (W) ×240.6(H) mm³, 8.3 kg

1 Any power level can be selected in this range.
2 Fixed output power.