

MSL-T-XXX Series (300-700nm)

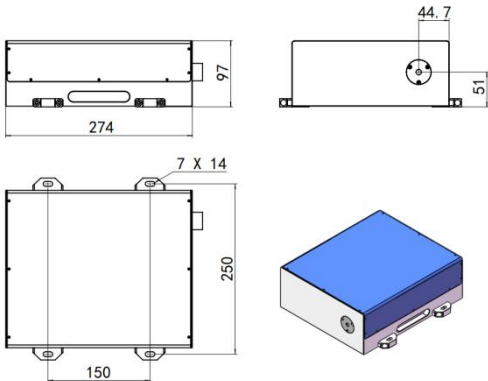
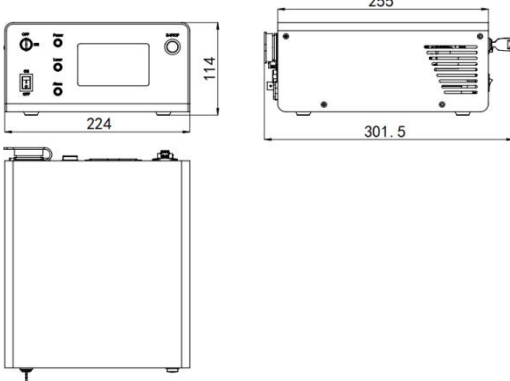
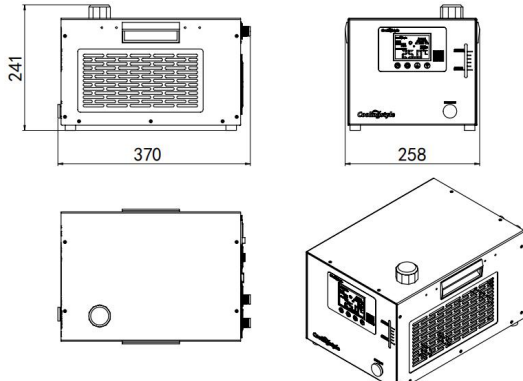
WATER COOLING CW SINGLE LONGITUDINAL LASER

All solid state single longitudinal mode laser is made features of ultra compact, long lifetime, low cost and easy operating. Single-longitudinal-mode lasers at 369 nm, 375 nm, 405nm and 411 nm are important light sources for atomic physics, quantum information science, precision spectroscopy, and biophotonics.

SPECIFICATIONS



Wavelength (nm)	369±1	375±1	405±1	411±1
Operating mode	CW			
Longitudinal mode	Single			
Output power (mW) ¹	1-80			
Spectral line width (nm)	<0.000005 (<10MHz)			
Coherent length (m)	>30			
Power stability (rms, 4 hours±3°C)	<1%, <0.5%			
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)	<0.5%			
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)	RADIPS			
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) mm³, 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.