



SLMAO532 Series 532nm Single Longitudinal Mode Laser System up to 100uJ

Overview

The SLMAO532 series single longitudinal mode laser is ideal for applications that require a wavelength of 532nm and single pulse energy levels up to 100uJ. The laser features single longitudinal mode, high power, long lifetime, easy operating, and FDA-compliant system with driver. The laser is widely used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, and many other applications.

Specifications

Model Number	SLMAO532-XYP	
Wavelength (nm)	532±1	
Operating mode	Acousto-Optic Q-Switched	
Single pulse energy (uJ)	~10 (X=10), ~30 (X=30), ~50 (X=50), ~100 (X=100)	
Average power stability (over 4 hours)	<5% (P=A), <3% (P=E)	
Longitudinal mode	Single	
Pulse duration (ns)	<25	
Peak power (W)	Peak Power (W) = Single Pulse Energy (µJ) / Pulse Duration (µs)	
Repetition rate (Hz)	1-1000	
Beam diameter at aperture (1/e ² , mm)	~2	
Beam divergence, full angle (mrad)	<2	
Polarization ratio	>100:1	
Warm-up time (minutes)	<20	
Beam height from base plate (mm)	59	
Operating temperature (°C)	20-30	
Cooled method	Water cooled	
Dimensions of laser head (mm)	432(L)×218(W) ×82(H) mm ³	
Weight of laser head (kg)	9 kg	
Power supply		
AOM Power Supply (Y=AU)	Input voltage	90-264VAC
	Dimensions	483.5(L) ×454(W) ×147.5(H) mm ³
	Weight	8.3 kg
Dimensions of water chiller (mm)	587.5(L)×482(W) ×187.5(H) mm ³	
Weight of water chiller (kg)	17 kg	
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

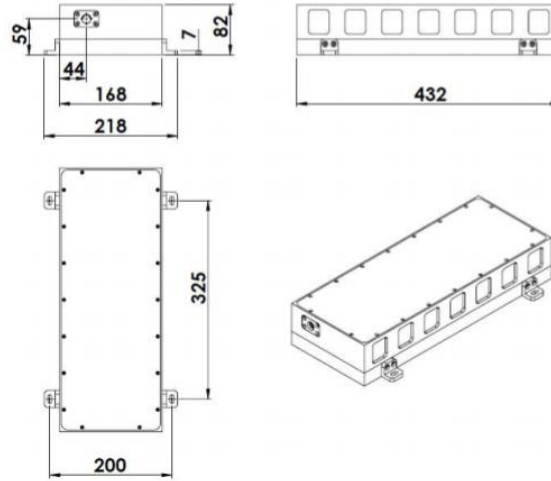
Remarks:

- Specifications of the Q-switched pulsed laser is based on the laser pulsed at the specified repetition rate. If the laser is run at a different repetition rate, the output characteristics may change.

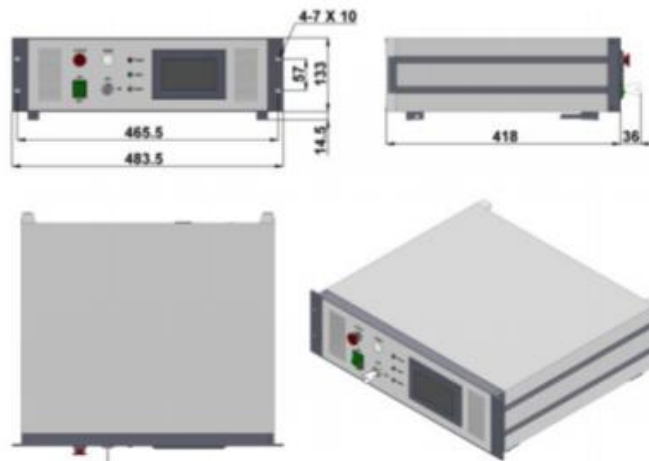


Outline Dimensions (unit: mm)

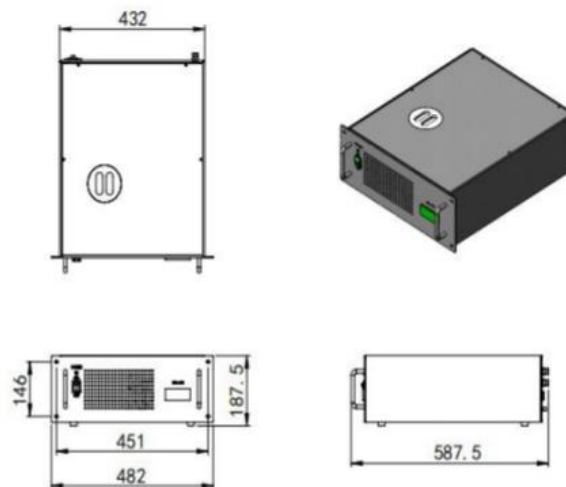
Laser Head



Power Supply



Water Chiller



Note: The above specifications are subject to change without notice.