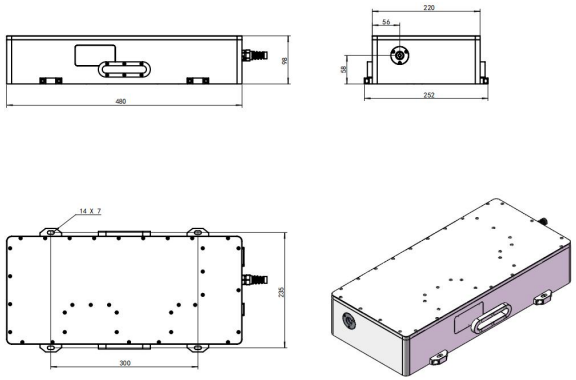
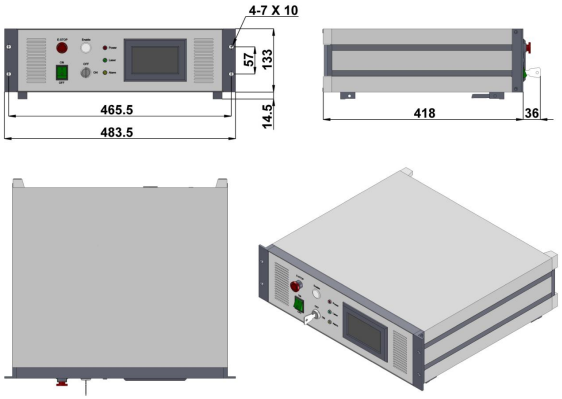
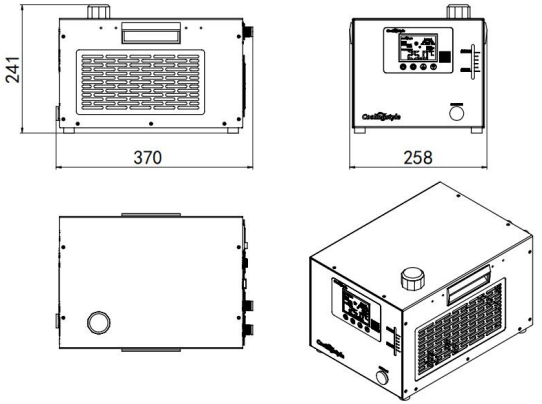
EO-XS-457/1-150mW

LD PUMPED ALL-SOLID-STATE EOM Q-SWITCHED LASER AT 457 nm

All solid state EOM Q-switched laser at 457 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.

SPECIFICATIONS

Wavelength (nm)	457±1
Operating mode	Actively
Average power (mW)[1]	1-150
Single pulse energy (μJ)	1-15
Rep. rate (kHz)	10
Pulse duration (ns)	~3
Peak power (kW)	1-5
Power stability (rms, 4 hours±3℃)	<5%, <3%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (1/e2,mm)	<2
Beam height from base plate (mm)	58
Cooled method	Water cooled
Operating temperature (℃)	10-35
Power supply (100-240VAC)	PSU-AOM (3U)
Expected lifetime (hours)	>10000

LASER HEAD	POWER SUPPLY	WATER CHILLER
		
480 (L)×252 (W) ×98 (H) mm³, 8kg	483.5 (L) ×454 (W) ×147.5 (H) mm³, 8.3 kg	370(L)×258 (W)×241(H) mm3, 8.3 kg

1 Any power level can be selected in this range.