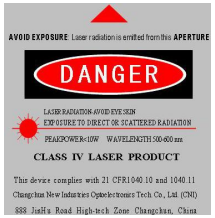
MGL-V-589-Water/500-1500mW

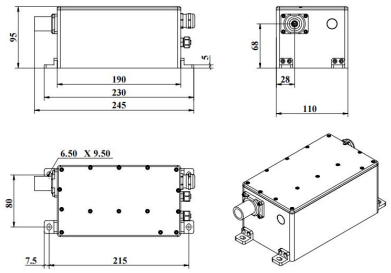
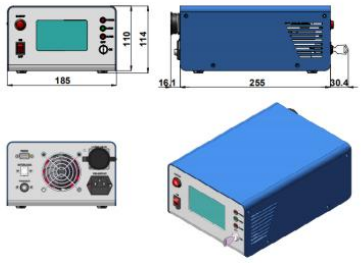
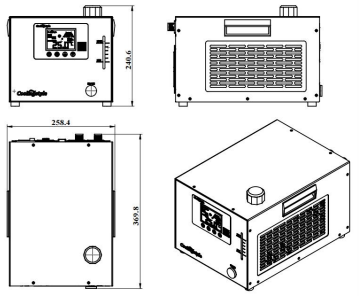
LD PUMPED ALL-SOLID-STATE YELLOW LASER AT 589nm

All solid state laser at 589nm is made features of ultra compact, long lifetime and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.

SPECIFICATIONS

Wavelength (nm)	589±2
Operating mode	CW
Output power (mW)[1]	500-1500
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)
Transverse mode	TEM_{00}
M^2	<1.2
Beam divergence, full angle (mrad)	<1
Beam diameter at the aperture ($1/e^2$, mm)	~2
Warm-up time (minutes)	<10
Pointing Stability(urad) (over 2 hours after warm-up and ±3°C)	<50
Pointing Stability Over Temperature (urad/°C)	<20
Polarization ratio	>50:1(100:1 optional) , Horizontal(Vertical optional)
Beam height from base plate (mm)	68
Cooled method	Water Cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-H-OEM
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optiona
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY	WATER CHILLER (WCH-580)
		
245 (L) ×110 (W) ×95 (H) mm^3, 3.8 kg	301.5 (L) ×185 (W) ×114 (H) mm3, 3.0 kg	369.8 (L) ×258.4 (W) ×240.6 (H) mm^3, 10.5 kg

1 Any power level can be selected in this range.