



MIL-U-xxx-FL series

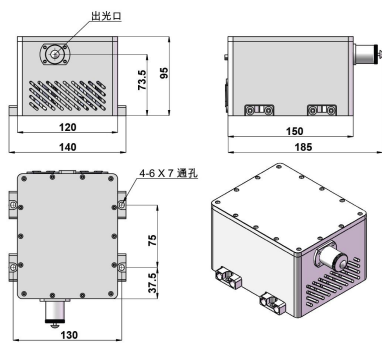
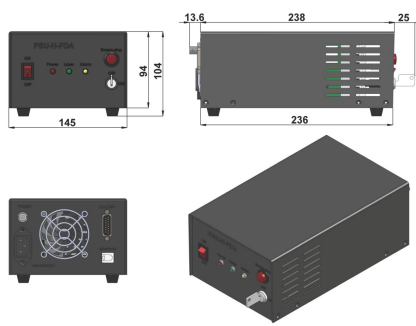
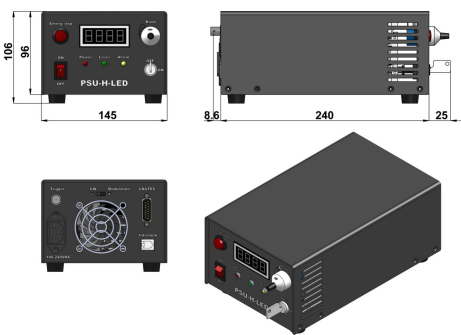
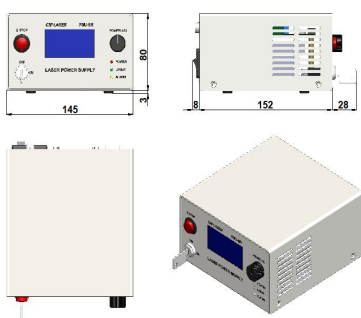
LD PUMPED ALL-SOLID-STATE LASER

The all-solid-state laser is characterized by its ultra-compact design, long lifetime, and ease of operation. It is widely used in applications such as fluorescence sensors, Raman spectroscopy, laser printing, holography, laser displays, underwater communication, biomedicine, and laser light shows.



SPECIFICATIONS

Wavelength (nm)	1319±1	
Operating mode	CW	
Output power (mW) ¹	1-1000	1000-1500
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀	
M ²	<1.5	<2.0
Beam diameter at the aperture (1/e ² , mm)	~1.5	
Beam divergence (mrad)	<1.5	
Polarization ratio	>100:1, Horizontal (Vertical optional)	
Warm-up time (minutes)	<5	
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50	
Beam height from base plate (mm)	73.5	
Operating temperature (°C)	10-35	
Modulation optional	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-SR	
Expected lifetime (hours)	>10000	

LASER HEAD	POWER SUPPLY (PSU-H-FDA) ²
 185(L)×140(W)×95(H) mm³, 1.6kg	 276.6(L) ×145(W) ×103.6(H) mm³, 2.3kg
POWER SUPPLY (PSU-H-LED) ³	POWER SUPPLY (PSU-SR) ³
 273.6 (L) ×145(W) ×106 (H) mm³, 2.3kg	 188(L) ×145(W) ×83(H) mm³, 1.2kg

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%; RS232 control optional.