473nm Nd:YAG q-switched nanosecond laser
MI Microchip laser system

DESCRIPTION

473nm laser is one of the series of solid state laser provided by Crylink. Based on Nd:YAG crystal and appropriate nonlinear crystal, we can get 473nm laser by stimulated radiation transition at 946nm. Crylink can provide 2ns laser with different output power.

Our 473nm laser has stable and high single pulse energy. With high pulse repetition frequency (5kHz), it can gain 20mW. Our 473nm laser implements miniaturization and low noise design, thus, it is easy to put into most systems.

Our 473nm laser is very suitable for laser induced fluorescence, laser ultrasound, Raman spectrometer and radar ranging.

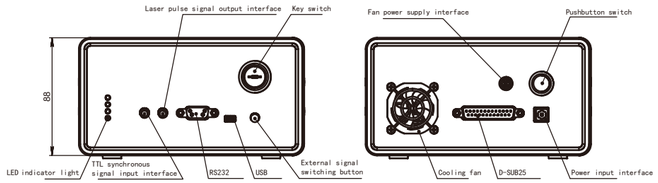
FEATURES

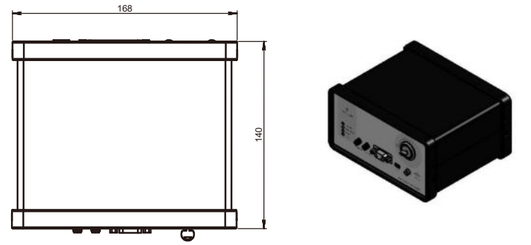
- Compact structure and high stability
- High polarization direction stability
- Repetition rate up to 5kHz
- Beam mode is TEM_{00}

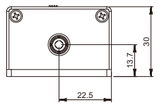
APPLICATIONS

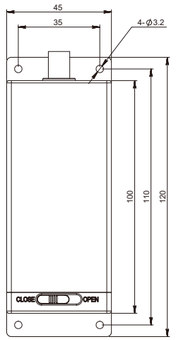
- Laser induced fluorescence
- Ultrasonic testing
- Radar ranging
- Raman spectroscopic detection

OUTLINE SIZE(mm)









www.dpssl-crylink.com +86-21-69913696
sales@crylink.com Building 5, No. 599 Huiwang East Road, Jiading District, Shanghai, China

PARAMETERS

Model		CL473-1kHz-5μJ-MI002
Optical parameter	Wavelength (nm)	473
	Repetition frequency (kHz)	1
	Average power (mW)	5
	Output energy (μJ)	5
	Pulse width (ps)	2000
	Power stability (8h)	±3%
	Beam mode	TEM_{00}
	Full-angle divergence angle Typ. (Mrad) level @1/e^2	7
	Vertical @1/e^2	7
	Polarization characteristics	＞100:1
System parameters	System power consumption (W)	≤15
	Power input	100-240 VAC, 50/60Hz
	Control interface	RS232, USB
	Power supply size (W×H×L, mm)	168×88×140
	Laser head size (W×H×L, mm)	45×30×120
	Working temperature (℃)	15-35
	Storage temperature (℃)	0-60

1.*The light outlet of the laser head is side outlet. See the mechanical dimension drawing for details

2.Customized internal beam expansion function to meet the requirements of small divergence angle (less than 2mrad)