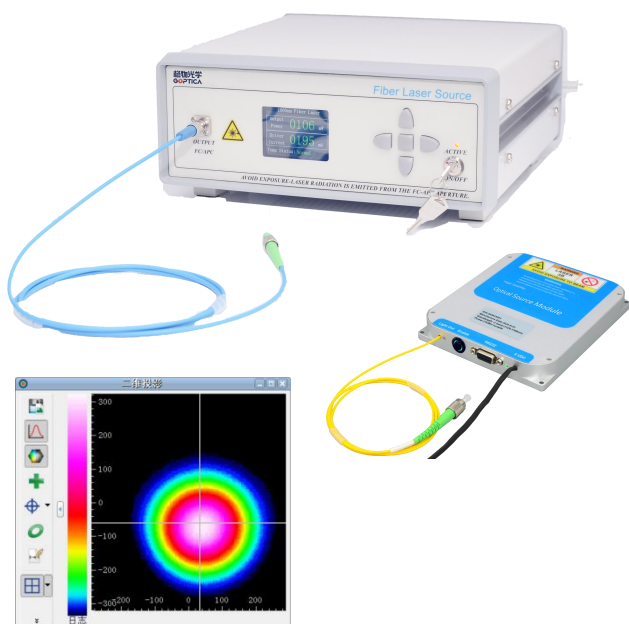


SM Fiber Coupled Laser (405nm-940nm)



Introduction

It uses semiconductor FP laser chips & professionally designed driver & temperature control circuits to ensure the safe operation of the laser. It has a complete range of wavelengths, stable output power & spectrum, SM fiber output, and excellent spot quality (LP01 mode).

Feature

- SM Fiber output
- The spectrum and power are both stable
- Excellent Gaussian spot quality

Application

- Laser spot indication
- Laser imaging
- Device testing

Product parameter

Optical Parameter	Units	Typical Values	Notes
Wavelength	nm	405~940 (in the attached list)	Accuracy ± 5 nm
Working Mode	-	CW	Continuous-wave
Output Power	mW	5~90	By wavelength
OP regulation range	-	10~100%	
S-term FS(15 min)	dB	$\leq \pm 0.02$	$\sim \leq \pm 0.5\%$
L-term FS(8 h)	dB	$\leq \pm 0.05$	$\sim \leq \pm 1.2\%$
Tail Fiber Type	-	SM Fiber	
Connector Type	-	FC/APC	
Electrical&environmental		Basic	Module
Control Mode		Button/RS232	RS232
Communication Interface		DB9 Female	DB9 Female
Power Supply		AC100~240V , <30W	DC5V3A or DC12V3A
Size		260(W) × 280(D) × 120(H)mm	125(W) × 150(D) × 20(H)mm
Operating temperature		-5~+35°C	
Operating humidity range		0~70%	

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Ordering Information

Model														
FL	Wavelength(nm)				P _{out} (mW)		Tail Fiber Type					Package Type		
	405~940				5~90		SM/PM=SM/PM Fiber					M=Module;B=Basic		
Wavelength	405	450	488	520	638	660	670	685	785	808	830	850	905	940
P _{out} (mW)	80	30	30	50	90	50	5	25	40	50	80	80	80	150
MFD(μm)	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	5.0	5.0	5.5	5.5	6.0	6.0
NA	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Fiber Type	*	460HP (core=2.5μm)				630-HP (core=3.5μm)					780-HP (core=4.4μm)			

*450nm SM Fiber Laser Type: Nufern S405XP (Core Diameter=3μm); PM Fiber Laser Type: Nufern PMS405XP