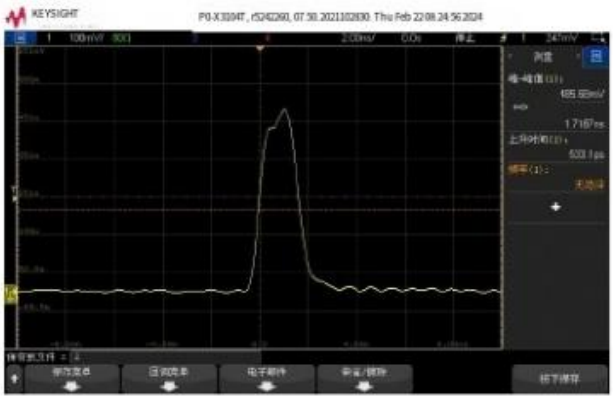
1064nm Nanosecond Fiber Laser

The nanosecond pulsed laser adopts a unique circuit and optical optimization design.The pulse width,peak power and repetition frequency of the output laser can all be adjusted.The working wavelength and power output are stable.It features single-mode fiber output and modular design for easy system integration.It is suitable for applications in laser ranging,optical fiber sensing and other fields.



Pulse diagram (2 ns / 100 kHz)

Features
All-fiber structure
The pulse width, repetition frequency and power are adjustable.
Desktop or module packaging

Application
Lidar
Nonlinear optics
Optical fiber sensing

Optical indicators	unit	Typical value	Note
Central wavelength	nm	1064±2	
Spectral width	nm	≤1	
Output pulse peak power	W	Adjustable from 10 to 50	The maximum power can be customized.
Pulse width	ns	Adjustable from 2 to 50	
Repetition frequency	kHz	1～1000	
Short-term stability(15 minutes)	dB	±0.02 or less	Equivalent≤±0.5%
Long-term stability(8 hours)	dB	±0.05 or less	Equivalent≤±1.2%
Triggering method	-	External trigger/Internal trigger	SMA interface
Fiber pigtail type	-	Hi-1060	
Fiber pigtail connector type	-	FC/APC	

Electrical and environmental parameters	Desktop	Module
Control mode	Key input/RS232 serial communication	RS232 serial communication
Communication interface	DB9 Female	DB9 Female
Power su pply	100~240V AC,<30W	5V DC,<15W
Size	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operating temperature range	-5~+35°C	
Working humidity range	0 to 70%	

Ordering Information/Model				
NSFL	Working wavelength(nm)	Maximum peak power(W)	Output pigtail type	Encapsulation form
	1064	10/30/50	SM=Hi-1060	M=Modu leB=Desk top