

# THPFL-1

## 1064nm High Power Fiber Laser

### Application

- ▶ Test & Measurement
- ▶ Industrial

### Features

- ▶ High Output Power, up to 40W
- ▶ User friendly Table top
- ▶ Modulation frequency up to 8kHz



### Parameter

		THPFL-1430	THPFL-1448	THPFL-1460
Wavelength	[nm]		1060-1080	
Output Power	[W]	20	30	40
Output Power Tunability	[%]		10 ..100	
Mode of Operation			CW	
Laser Output			Gaussian	
Polarization			Random / Linear	
Output Power Stability	[%]		2	
Signal Linewidth	[nm]		<1	
Power Supply Voltage	[V]		AC 100-240	
Operating Temperature	[°C]		15 .. 30	
Optical Connector			Collimator	
Beam Diameter 1/e <sup>2</sup>	[mm]		5.0	
Beam Quality	[M <sup>2</sup> ]		1.1	
Optical Fiber type			3mm armored cable	
Dimensions	[U]		3U	
Communication Interface			RS-232 via USB / TTL(analog)	

### Ordering Information

Custom variants are available upon request, please contact our customer service to discuss your specification requirements.

GUI available on request



Specifications are subject to change without notice

# THPFL-1.5

## 1.5µm Benchtop High Power Fiber Laser

### Application

- ▶ Test & Measurement

### Features

- ▶ High Output Power, up to 20W
- ▶ User friendly Table top
- ▶ Stable Output Power



### Parameter

		THPFL-1.5
Wavelength	[nm]	1550, 1567, other
Output Power	[W]	Up to 20
Output Power Tunability	[%]	10 ..100
Mode of Operation		CW / Modulated
Laser Output		Gaussian
Polarization		Random / Linear
Output Power Stability	[%]	2
Signal Linewidth	[nm]	<1
Power Supply Voltage	[VAC]	100 .. 240
Operating Temperature	[°C]	15 .. 35
Optical Connector		FC/APC, Collimator, other
Beam Diameter 1/e <sup>2</sup> (collimator)	[mm]	3.0 / 5.0
Beam Quality	[M <sup>2</sup> ]	typ 1.1
Optical Fiber type		3mm armored cable, 1.8 meter
Dimensions	[mm]	3U 19"
Communication Interface		RS-232 via USB

### Ordering Information

Custom variants are available upon request, please contact our customer service to discuss your specification requirements.

GUI available on request



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# THFL-2

## 2.0μm Benchtop High Power Fiber Laser

### Application

- ▶ Test & Measurement

### Features

- ▶ High Output Power, up to 40 W
- ▶ User friendly Table top
- ▶ Stable Output Power



### Parameter

		Parameter Range
Wavelength	[nm]	1750 ... 2050
Output Power	[W]	Up to 40
Output Power Tunability	[%]	10 ..100
Mode of Operation		CW
Laser Output		Gaussian
Polarization		Random / Linear
Output Monitoring		Optional
Output Power Stability	[%]	2
Signal Linewidth	[nm]	<1
Power Supply Voltage	[VAC]	100 .. 240
Operating Temperature	[°C]	15 .. 35
Optical Connector		Collimator, FC/APC, others
Beam Diameter 1/e <sup>2</sup>	[mm]	3.5 / 5.0
Beam Quality	[M <sup>2</sup> ]	typ 1.1
Optical Fiber type		3mm armored cable, 1.8 meter
Dimensions	[mm]	3U 19"
Communication Interface		RS-232 via USB

### Ordering Information

Custom variants are available upon request, please contact our customer service to discuss your specification requirements.

GUI available on request



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