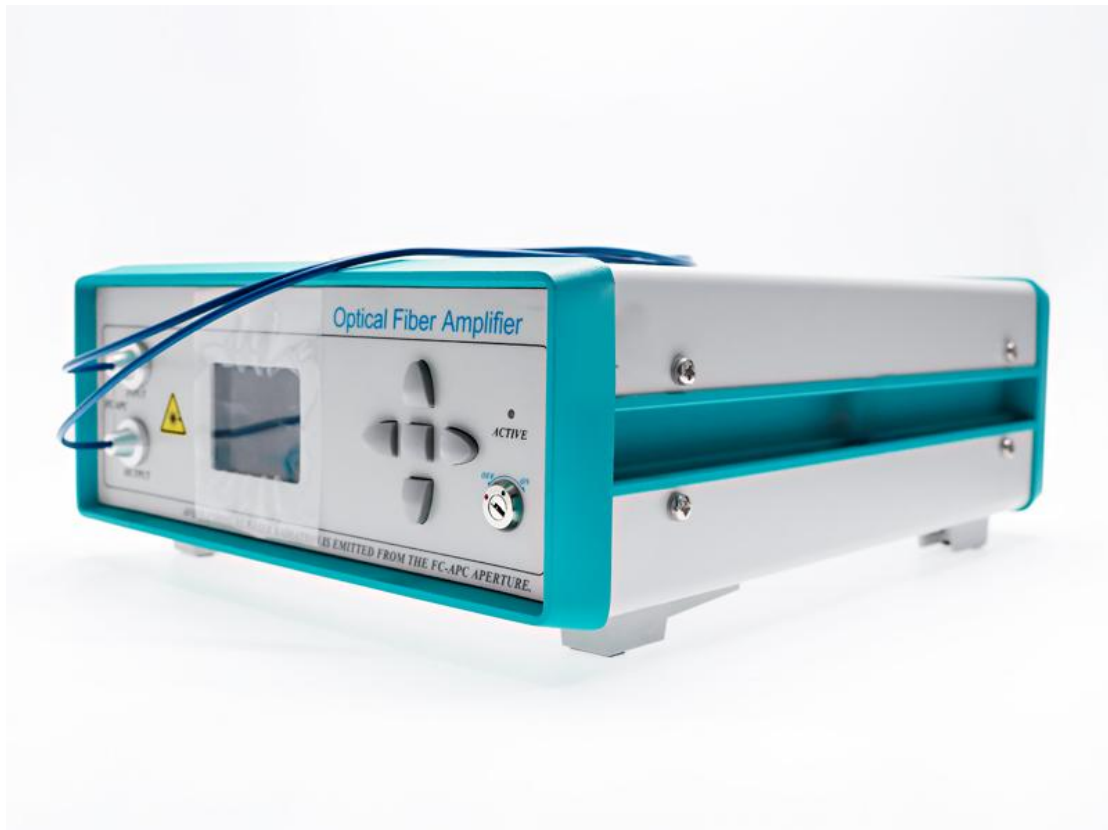


# 1550nm Single Mode Fiber Coupled Laser 20W

## 43dBm Benchtop



- **Product Description**

1550nm Wavelength SM Fiber Coupled Laser (1~20W Power, Bench -top Format) This laser uses a DFB seed laser and a high-power gain optical module to achieve single-mode fiber output of single-wavelength high-power laser. Professionally designed drive and temperature control circuits ensure that the laser works safely and stably, and the spectrum and



power remain stable for a long time. The desktop design is easy to operate, and the control interface is simple and intuitive, suitable for laboratory use by scientific research users.

- **Product features**

1~20W multiple power、 Single mode fiber output、 Power and spectrum stability

- **Part Number**

MP-FCL-1550-20W-XA-B

- **Application area**

Fiber Optic Sensing、 Fiber Optic Communications、 Optical experiments

- **Core parameters**

Working wavelength	Spectral linewidth	Output power
1550nm	≤0.1nm	20W

- **General Parameters**

General parameters

Optical indicators	unit	Typical Value	Remark



<b>Working Wavelength</b>	<b>nm</b>	<b>1550±0.5</b>	<b>1540~1570nm can be customized</b>
<b>Spectral Line Width</b>	<b>nm</b>	<b>≤0.1</b>	
<b>Side Mode Suppression Ratio</b>	<b>dB</b>	<b>&gt;50</b>	
<b>Working Mode</b>	<b>-</b>	<b>CW</b>	<b>Continuous light</b>
<b>Output Power</b>	<b>W</b>	<b>1/2/5/10/15/20</b>	<b>15/20W only available in desktop</b>
	<b>dBm</b>	<b>30/33/37/40/41/43</b>	
<b>Short-Term Stability (15 minutes)</b>	<b>dB</b>	<b>≤ ±0.02</b>	<b>Equivalent ≤ ±0.5%</b>
<b>Long Term Stability (8 hours)</b>	<b>dB</b>	<b>≤ ±0.05</b>	<b>Equivalent ≤ ±1.2%</b>
<b>Pigtail Type</b>	<b>-</b>	<b>SMF-28/PM1550</b>	
<b>Pigtail Connector Type</b>	<b>-</b>	<b>FC/APC</b>	

<b>Electrical and Environmental Parameters</b>	<b>Power: 1/2/5W</b>	<b>Power: 10/15/20W</b>
<b>Control Method</b>	<b>button</b>	



<b>Communication Interface</b>	<b>Optional</b>	
<b>Powered by</b>	<b>100~240V AC,&lt;150W</b>	
<b>Size</b>	<b>260(W) × 320(D) × 120(H)mm</b>	<b>360(W) × 350(D) × 120(H)mm</b>
<b>Operating Temperature Range</b>	<b>-5~+35°C</b>	
<b>Operating Humidity Range</b>	<b>0~70%</b>	

<b>Ordering Information / Model</b>				
	<b>FCL Working Wavelength (nm)</b>	<b>Output Power (dBm)</b>	<b>Output Pigtail Type</b>	<b>Package</b>
	<b>1550</b>	<b>30/33/37/40/41/43</b>	<b>SM=SMF-28 PM=PM1550</b>	<b>B =Benchtop</b>



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TR B VPK :1550.1600nm 15.38dBm V-Vn:  
 V0001:  
 V0002:  
 V0003:  
 V0004:  
 V0005:

A:FIX /BLK  
 B:WRITE /DSP  
 C:FX B-A /BLK  
 D:FIX /BLK  
 E:FIX /BLK  
 F:FIX /BLK  
 G:FIX /BLK

<MEAS CONDITION>  
 START:1525.000nm STOP:1575.000nm CENTER:1550.000nm SPAN: 50.0nm

