

Key Features

- Output power up to 6W
- Linewidth < 0.1nm
- Wavelength: 1850-2020nm
- Single mode, $M^2 \approx 1$
- Compact & rugged design
- Standard or All-PM version
- High Polarization Ext Ratio
- USB interface

Applications

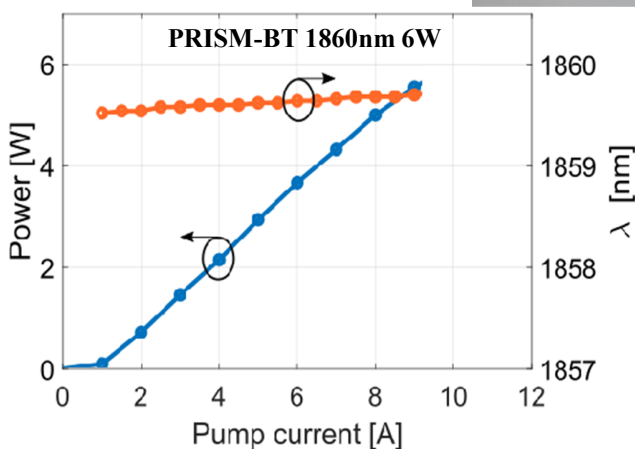
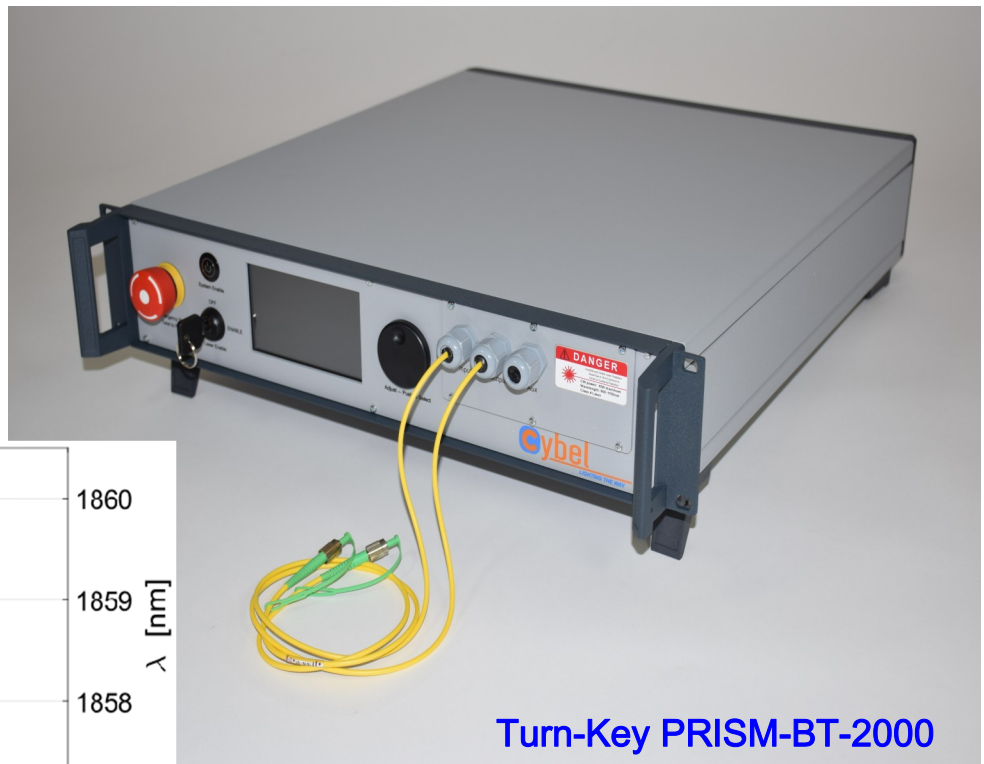
- Holmium Pumping
- Sensing
- Testing and Measurement
- Spectroscopy

Cybel Benchtop Products

- ◆ MIR-ASE-BT-1900
- ◆ MIR-ASE-BT-2000
- ◆ VULCAN-BT-2000

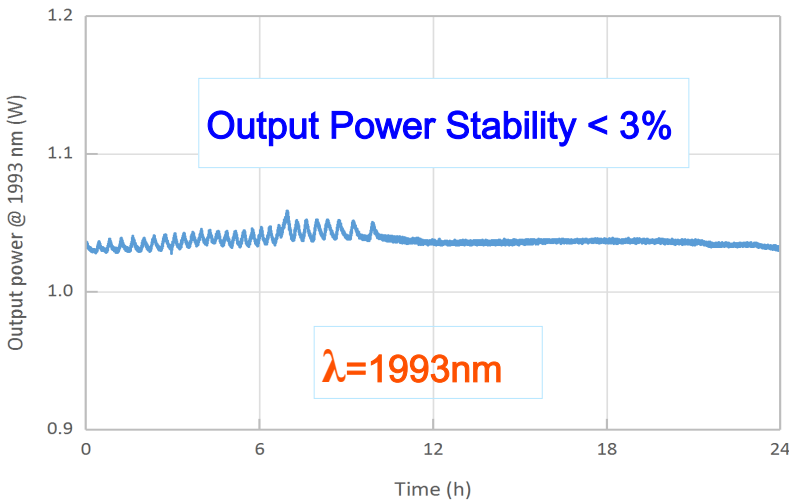
The **CYBEL PRISM-BT-2000** is a CW fiber laser source with an output power of 1W up to 6W with a center laser wavelength at 2000nm. The wavelength can be customized from 1900nm to 2020nm. This laser is ideal for pumping Holmium doped fiber amplifiers and lasers. The output power is continuously adjustable and exhibits less than 3% power change over 6 hours. The **PRISM-BT-2000** can also be used in applications ranging from sensing to R&D and spectroscopy.

The **PRISM-BT-2000** laser comes in a 19" rack mounted benchtop unit with either a standard or a PM fiber. This laser is also available in a compact OEM format for easy system integration and deployment. The optical output power, key monitoring and operating parameters such as automatic current control (ACC) and automatic power control (APC) modes are controlled from the USB port.

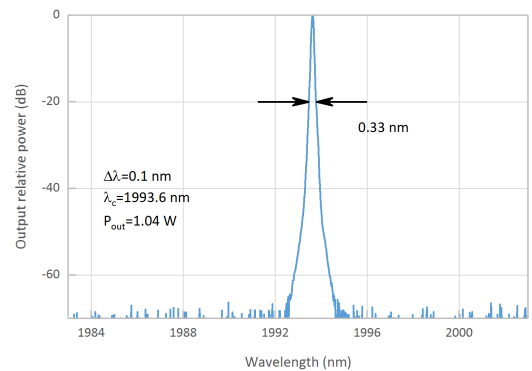


PRISM-BT-2000 Specifications

OPTICAL	Unit	Value	Comment
Wavelength	nm	2000	Custom λ from 1850 to 2020nm
Output power	W	1 to 6	
Spectral width	nm	0.1nm	Custom linewidth available
Polarization ext. ratio	dB	≥ 17	PM version
Beam quality (M^2)	M^2	<1.1	
Output isolator		Optional	
Output fiber length	m	1	Armored cable optional
Fiber		Single mode	FC/APC connector
Monitor fiber length	m	1	Armored cable optional
Power consumption	W	30	@Pout max=6W
Control interface		USB	
Dimensions	inch	19"	2U Rack mountable unit
Operating temperature	$^{\circ}\text{C}$	10-35	
Humidity	%	0 to 95	Non-condensing



Typical Spectrum $\lambda=1993\text{nm}$



CUSTOMIZATION

The PRISM-BT-2000 is a laser platform that can be customized to match Customers' specific requirements. Please contact Cybel.

COMPLIANCE with Regulatory Requirements: These Benchtop products are Class 4 lasers as designated by the Center for Device and Radiology Health (CDRH). As such they are intended only in integration into other equipment and do not comply with CDRH requirement. It is the customer responsibility for CDRH certification of the full system that incorporates this industrial laser.



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