High Power Fiber Laser VULCAN-2000

Key Features

- CW output power from 1 to 50 W
- Spectral width < 0.1 nm
- Single-mode beam, $M^2 \approx 1.1$
- Standard or all-PM configuration
- 19" 2U rackmount or 9" benchtop
- Optional output collimator



VULCAN-2000 Rackmount Benchtop

Description

The Cybel **VULCAN-2000** Benchtop is a high-power CW fiber laser delivering 1 to 50 W at 2000 nm. It combines a spectral width below 0.1 nm with excellent single-mode beam quality for demanding industrial and R&D applications. The laser is offered in either a 19" 2U rackmount enclosure or a compact 9" benchtop housing, with standard or all-PM fiber and RS-232 control

Applications

- Optical Pumping
- LiDAR
- Plastics processing
- Interferometry & spectroscopy
- Testing & measurement

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Benchtop Specifications VULCAN-2000

Parameter	Unit	Min	Max	Comments
OPTICAL				
Operation wavelength	nm	2000		Available 1730–2100 nm on request
Average output power	W	Up to 50		
Spectral linewidth	nm	< 0.1		
Power tunability	%	10 to 100		
Power stability	%	3		Measure RMS
Polarization		Random or linear		For linear PER > 15 dB
Beam quality	M^2	< 1.1		
Output Isolation	dB	> 25		
Output fiber length	cm	70		Other lengths available
Output termination		FC/APC or Collimator		Armored cable available on request
ELECTRICAL				
Voltage	V	110 - 220		@60/50 Hz
Control interface		RS-232		USB & Touchscreen
Mode of operation		ACC		
GENERAL				
Dimensions	Inch	19		2U Rack-mount benchtop
		9		2U Half benchtop
Storage Temperature	°C	0 to 60		
Operating case temp.	°C	10 to 35		

CUSTOMIZATION

The **VULCAN Benchtop** is a laser platform that can be customized to match Customers' specific requirements. Please contact Cybel.

COMPLIANCE with Regulatory Requirements: These OEM 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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