

Key Features

- >30 dB small signal gain
- CW power : 2 W
- Low ASE:<1 % at 0 dBm input
- Low power consumption: <30 W
- Gaussian beam profile: $M^2 \approx 1$
- Compact & rugged design
- Operation Temp: 10 to 30 °C
- SM/PM versions

The **CYBEL METEOR-AMP-1064** is a half-benchtop fiber amplifier for use with wavelengths between 1050 and 1090 nm. The amplifier provides high small signal gain (>30 dB) and a saturated output power of over 1W. The amplifier output has a near-Gaussian profile ($M^2 \approx 1$).

The **METEOR-AMP-1064** is available with either standard or all polarization-maintaining (PM) fiber. Ideal for lab environment and it can be integrated into Lidar systems, optical sensing, or RF & analog photonic applications.

The **METEOR-AMP-1064** offers external monitoring and control through a USB computer interface.

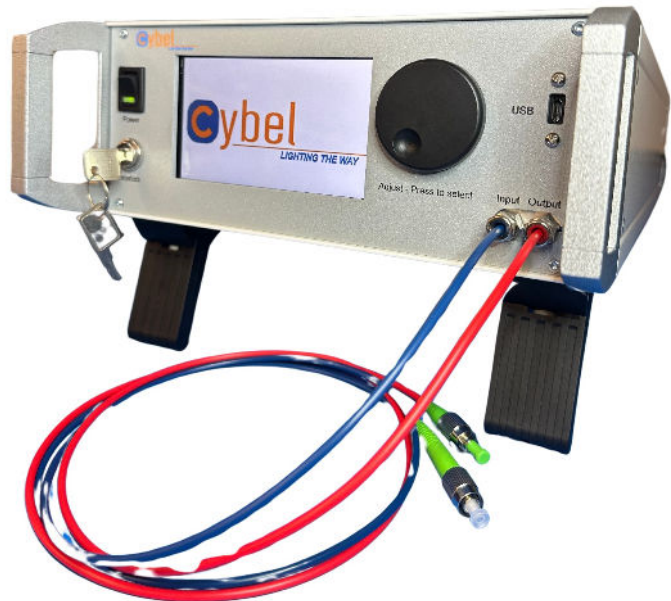
Applications

- Free space comm.
- Target illumination
- Remote sensing

METEOR SERIES

Also available at different standard wavelengths with same high performance and compact footprint:

- ◆ METEOR-AMP-1030
- ◆ METEOR-AMP-1550
- ◆ METEOR-AMP-1900
- ◆ METEOR-AMP-2000



Turn-Key Rack Mount Half-Benchtop

METEOR-AMP-1064 Specifications

OPTICAL	Unit	Min	Max	Comments
Optical Bandwidth	nm	1050	1090	Single Mode Operation Wavelength
Input Signal Power	dBm	0	10	Custom Pin optional
Output Signal Power	W	2		With Pin=0 dBm(1 mW)
Output Power Tunability	%	5 - 100		At Pout = 2 W
Output mode, MFD	μm	11		
Polarization Ext. Ratio (PER)	dB	≥ 20		PM Version
Output Beam Quality (M ²)	M ²	1.1		
Signal to Noise Ratio (OSNR)	dB	≥ 45		OSA Res. = 1 nm
Output Power Variation (RMS)	%	+/- 3		After 20 Min. Warm-up
Output Fiber Length	m	> 0.7		Longer Fiber at Request
Input Fiber Length	m	> 0.7		Longer Fiber at Request
Output Isolation	dB	20		Optional, External to the OEM
Connectors		FC/APC		Other Connectors and Collimators Available
ELECTRICAL				
Voltage	V	110-220		
Warm up Time	min	20		
Power Consumption	W	< 30		25 °C, @Pout max = 1 W
Control Interface		USB		
Mode of Operation		ACC		
GENERAL				
Dimensions	inch	9.5		2U Rackmount Benchtop
Storage Temperature	°C	0 to 50		
Operating Case Temp.	°C	10 to 30		
Humidity	%	5 to 95		Non condensing

CUSTOMIZATION

The **METEOR-AMP-1064** is an amplifier 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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