

# CEBS

## CW Erbium Broadband ASE Source



B130

### MAIN FEATURES

- High output power density ( $>+13$  dBm/nm)
- Flattened output power spectrum
- High spectral stability
- Linear or random polarization
- User-friendly turnkey benchtop

### MAIN APPLICATIONS

- OPTICAL COMPONENT CHARACTERIZATION
- OPTICAL MEASUREMENT SYSTEMS
- OPTICAL SENSING

“

The CEBS series are CW Erbium Broadband ASE Source designed to deliver an optical signal over the C-band with a flat spectrum response.

It can provide up to 13 dBm/nm of optical power density.

The CEBS can be used in many applications such as components characterization, optical measurement systems or optical sensing.

The optical architecture integrates gain flattening filters in order to achieve the widest spectral operation with minimum power variation across the spectrum.

The source is available in linear or random polarization in a turnkey benchtop version. The benchtop platform offers the possibility to control the source via the front panel or remotely via serial USB and Ethernet ports.

”

V2.0 - Lumibird reserves the right to modify the specifications without prior notice. Photos are not contractual.

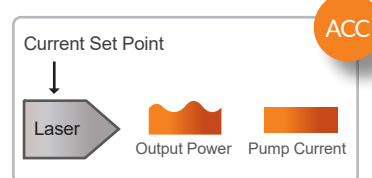
[www.keopsys.com](http://www.keopsys.com)

Many options and configurations are available.  
Please contact Lumibird to find the best match for  
your needs and compatibility between options.

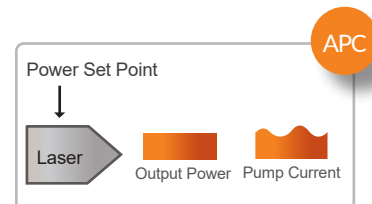
### SPECIFICATIONS

	CEBSm1	CEBSm2	CEBSm5	CEBS01
Mode of operation	CW			
Total optical power (W)	0.1	0.2	0.5	1.0
Spectral range (nm)	1529 - 1562 (BW00)		1536 - 1561 (BW10)	
Spectral power density (dBm/nm)	> +3	> +6	> +10	> +13
Spectral gain flatness at nominal power (dB)	< ± 1	< ± 1.5	< ± 3	< ± 4
Total output power stability (dB)	< 0.05		< 0.1	
Output isolation (dB)	> 40			
Output monitoring	Included			
Polarization	Random or linear			
Input / Output termination	FC/SPC, FC/APC			

### Mode of operation



ACC (Automatic Current Control)



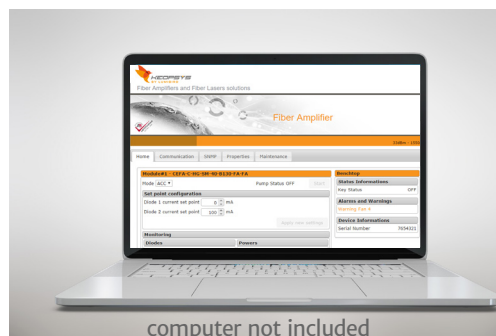
APC (Automatic Power Control)

### EASY TO USE !



#### Front panel control

- User-friendly and turnkey benchtop
- Dial and front panel display for easy control and monitoring of the product



computer not included

#### Remote control

- RS232 interface through USB
- Web server, SNMP, Telnet, SSH protocols
- GUI available (option)

### Reliability

All our fiber lasers and fiber amplifiers are manufactured according to our ISO certified quality management system, which places the needs and values of customers and partners at the heart of our organization. Throughout the manufacturing process, our components and systems are subjected to rigorous tests and inspections, which guarantees their robustness and reliability in the most demanding environments. Countless units operate continuously without maintenance around the world. The ISO 9001 certificates can be downloaded from our website.



LASER RADIATION  
AVOID EYE OR SKIN EXPOSURE TO  
DIRECT OR SCATTERED RADIATION  
CLASS 4 LASER PRODUCT

[www.keopsys.com](http://www.keopsys.com)

Many options and configurations are available.  
Please contact Lumibird to find the best match for  
your needs and compatibility between options.