CEFL-TERA-LP

CW Erbium Fiber Laser with terahertz linewidth low power
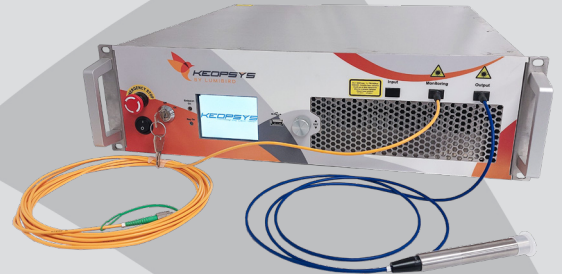
KEOPSYS
BY LUMIBIRD

B130

B230

B330

MAIN FEATURES

- 1550 or 1565 nm standard operating wavelengths
- Output power up to 20 W
- Linewidth of a few nm
- Diffraction limited output
- Amplitude modulation (optional)
- Random or linear polarization
- Maintenance free

MAIN APPLICATIONS

- **OPTICAL COMPONENT TESTING**
- **LASER TRAPPING SPECTROSCOPY**
- **MEDICAL (DERMATOLOGY)**
- **HEATING**
- **OPO AND THULIUM FIBER PUMPING**

> CEFL-TERA is a continuous Erbium fiber laser delivering up to 20 W in random or linear polarization with a nm linewidth. The output power can be modulated with an external TTL signal up to 5 kHz.
>
> This laser is a perfect tool for wide range of applications as optical components testing, spectroscopy, OPO pumping or thulium laser pumping.
>
> CEFL-TERA is available in a turn-key benchtop which can be monitored from the front panel or remotely via serial USB and Ethernet ports. Additionally, no installation is required : just plug it and run it.

www.keopsys.com

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

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CEFL-TERA-LP

CW Erbium Fiber Laser with terahertz linewidth low power

SPECIFICATIONS

	CEFL-TERA-LP
Mode of operation	CW or modulated
Output power (W)	From 1 to 20
Operating wavelength (nm)	1550 +/- 1 or 1565 +/- 1
Linewidth (nm)	< 1
Polarization	Random or linear (PER > 17 dB)
Amplitude modulation (AM option)	Up to 5 kHz
Red laser guide (RG option)	Available depending on models
Output power stability over 1 hour (% rms)	< 2
Fiber type	SMF or PANDA
Output termination	FC/APC or Collimator
Beam quality, M^2	< 1.1

Mode of operation

ACC

Current Set Point

Amplifier — Output Power — Pump Current
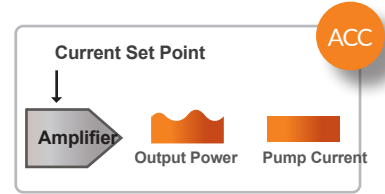
ACC (Automatic Current Control)

APC

Power Set Point

Amplifier — Output Power — Pump Current
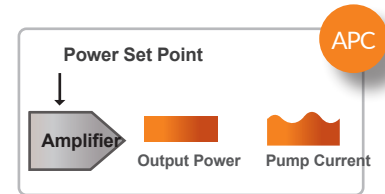
APC (Automatic Power Control)

EASY TO USE !

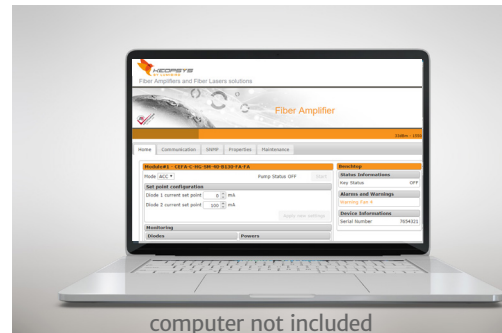computer not included

Front panel control

- User-friendly and turnkey benchtop

- Dial and front panel display for easy control and monitoring of the product

Remote control

- USB port and command set provided
- Web server, 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.

ISO 9001:2015

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