



PRODUCT INFORMATION

TEC-320 Power Littman/Metcalf Series - Tiger

US Patent 5,867,512 | US Patent 6,297,066 | US Patent 6,869,483 | US Patents pending

Wavelength

- wavelength from 770nm to 1060nm are available

High optical power

- output power up to 1000mW
- excellent quantum efficiency
- high fiber coupling efficiency

Excellent tuning behavior

- fine tuning via piezo actuator with a resolution better than 10MHz
- large mode-hop free tuning range of up to 20GHz and more
- use of in-house anti-reflection coated laser diodes

Narrow linewidth

- linewidth < 500kHz @ 1ms
- excellent side mode suppression > 50dB

Excellent frequency locking performance

- high resonance free piezo modulation
- high frequency laser current modulation
- improved temperature stability
- low acoustic susceptibility
- excellent locking stability

High flexibility

- free beam and fiber coupled versions available
- constant current and constant power operation modes
- excellent long term wavelength stability

Plug & Play configuration

- modular laser system design
- automated piezo tuning with power read-out
- remote control via GPIB, RS232 and USB

Applications

- Spectroscopy and optical process control
- Optical cooling and trapping, BEC
- Laser and OPO seeding
- Non-linear optical processes
- Characterizing of fiber optical systems

CONTACT & LEGAL



For further information about the product or support requests, please contact your local person in charge.

+ 49 (0)6421 305-0 Germany
+ 1 800 352 3639 United States, Canada

Sacher Lasertechnik GmbH
Rudolf-Breitscheid-Str. 1-5
35037 Marburg
Germany

Sacher Lasertechnik LLC.
5765 Equador Way
Buena Park, CA 90620
United States



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