

Narrow linewidth fiber laser

Most of all narrow linewidth lasers are used in environments monitoring systems for gas detection, also in systems determining parameters related with Doppler frequency shift

Main characteristics

Power	Up to 2 W
Mode	CW
M2	140 dB
RIN	1,05
Linewidth	2.5 kHz
Output	FC/APC, collimator, isolator
Interface	RS232, USB
Output power fluctuations *	<1% (typ. 0.5%)
Piezo / Thermal Tuning	$\pm 15\text{pm} / \pm 0,15\text{nm}$

Features

- Very narrow linewidth
- Low RIN
- Fast piezo-tuning
- Wavelength Thermo-tuning



Example of application: Photon Doppler velocimetry

