

High Performance Tunable Laser TSL-510

The TSL-510 provides market-leading performance in a compact, easy to use package. The laser can perform continuous, mode-hop-free sweeps over its full 130nm tuning range with the highest output power of comparable lasers on the market today. Low noise and excellent stability are other notable features.

The model range has four separate versions. Type B has additional optics to lower the optical ASE noise and boasts a very high signal to noise ratio (SNR) of over 65dB. This is particularly important for characterization of high isolation DWDM filters. Type C includes a high accuracy wavelength meter which increases the wavelength accuracy to better than 5pm. Type D combines the high SNR with the high wavelength accuracy. All models have additional features such as fine tuning and coherence control. GPIB and USB interfaces with the industry standard SCPI command set allows full remote control and measurement automation.



Features

- ▶ +13dBm peak output power (types A & C)
- ▶ 130nm tuning range within 1260-1680nm
- ▶ Mode-hop-free wavelength sweeps
- ▶ 100nm/s sweep speed
- ▶ >65dB SNR (types B & D)
- ▶ <5pm wavelength accuracy (types C & D)

Applications

- ▶ Optical component characterization
- ▶ Fiber optic transmission testing
- ▶ Fiber optic sensors
- ▶ Interferometry
- ▶ Optical spectroscopy
- ▶ Photonic material characterization

Output Characteristics



