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Tunable lasers - Cobolt - High Performance Lasers

Tunable Lasers

A tunable laser is a laser whose wavelength of operation can be altered in a controlled manner. While all laser gain media allow small shifts in output wavelength, only a few types of lasers allow continuous tuning over a significant wavelength range. There are many types and categories of tunable lasers. They exist in the gas, liquid, and solid state.

Tunable laser - Wikipedia

High Energy Pulsed Tunable Lasers Selection Guide: Product Description Tuning Range Tuning Range Pump/Seed Wavelength Converters

Tunable Lasers - Spectra-Physics

The Argos single-frequency, continuous-wave optical parametric oscillator is a unique family of tunable lasers designed for high resolution spectroscopy. No other system matches its output power and wavelength tuning range from 1400 nm to 4600 nm.

Tunable Lasers | Lockheed Martin

Tunable Lasers Thorlabs' selection of tunable lasers includes benchtop external cavity diode lasers with wide tuning ranges, half butterfly gain chips, and spectroscopy kits.

Tunable Lasers - Thorlabs

Cobolt's Mid-IR tunable laser, Cobolt Odin™, is wavelength selectable 2 - 5 μm, up to 80 mW, > 7 kHz. Perfect for gas analysis. See the specifications.

Tunable lasers - Cobolt - High Performance Lasers

Tunable Laser TSL-770 The TSL-770 is Santec's Ultimate tunable laser. A ground up redesign of the laser resonator and control electronics make the TSL-770 our fastest tuning, widest scanning, lowest noise and narrowest linewidth laser ever.

High Performance Tunable Lasers | santec

Tunable Laser Technology Benefits The Pure Photonics tunable laser solution makes a field proven, high-volume telecommunications laser suitable for the high-demanding applications that are typically addressed by hand-crafted custom solutions.

Tunable Lasers — Pure Photonics

Our tunable lasers are used in laboratory and industrial environments and as OEM components and subsystems. The demands placed these lasers by our broad spectrum of users means you can depend on New Focus tunable lasers for exceptional performance at an affordable price.

New Focus Tunable Lasers - Newport Corporation

Our lasers have enabled breakthroughs in quantum technology, biophotonics and chemical sensing and have been used by sectors as diverse as aerospace, defence, oil and gas, healthcare, food and drink. Known for their reliability and ease-of-use, our products such as SolStIS, Sprite and Firefly are the tools of choice for researchers and innovators everywhere.

Tunable Lasers, NI & MW Tunable Laser Sources

Velocity™ TLB-6700 Widely Tunable Lasers True mode-hop-free wide tuning. Exceptional stability with shock-proof, thermally insulated housing and magnetic damping technology. Fiber coupled option with robust, permanent fiber coupling. Easy-to-use wavelength control.

Velocity™ TLB-6700 Widely Tunable Lasers

Wavelength-tunable laser sources have many applications, some examples of which are: In laser absorption spectroscopy, a wavelength-tunable laser with narrow optical bandwidth can be... Various methods of laser cooling require a laser wavelength to be adjusted very precisely at or... Tuning to ...

RP Photonics Encyclopedia - tunable lasers, wavelength tuning

Luna's PHOENIX™ swept tunable lasers are designed for low noise and highly linear swept performance appropriate for a variety of fiber optic test, measurement and sensing applications. Application software gives the user simple but effective control of the laser.

Tunable Lasers | Luna

Based on an erbium-doped fiber laser cavity, it is continuously tunable from 1520 to 1570 nm at a 0.01-nm tuning resolution. A 10% monitoring output provides a wavelength meter connection. An optional ASE broadband output also is available.

TUNABLE LASER | EXFO Inc. | New Products | May 1998 ...

Tunable lasers can also provide flexibility at multiplexing locations, where wavelengths are added to and dropped from fibers, by letting carriers remotely reconfigure added channels as needed.

Tunable Lasers - IEEE Spectrum: Technology, Engineering

... Tunable single-frequency diode lasers utilize a laser diode and a frequency selective element like a grating for laser frequency selection and tuning. They are available for individual wavelengths between 190 nm and 4000 nm, and deliver narrow-linewidth emis-

sion that is tunable – in some systems up to 120 nm wide without a single mode-hop.

Tunable Diode Lasers - toptica.com

The GouMax tunable lasers are a new-generation high performance continuous wave (CW) tunable laser source for use in various single band or combined band windows, ranging from 1050 nm to 1660 nm. The innovative design employs the state-of-the-art tunable technology and gain continuation in wide wavelength range.

Tunable Lasers - GouMax

Tunable diode laser absorption spectroscopy is a technique for measuring the concentration of certain species such as methane, water vapor and many more, in a gaseous mixture using tunable diode lasers and laser absorption spectrometry. The advantage of TDLAS over other techniques for concentration measurement is its ability to achieve very low detection limits. Apart from concentration, it is also possible to determine the temperature, pressure, velocity and mass flux of the gas under observati

Tunable diode laser absorption spectroscopy - Wikipedia

These Tunable Laser Sources emit light that can be swept over commonly used telecommunication wavelength ranges. They are used in the research and design of wavelength division multiplexers (WDMs) and related components, during manufacturing testing, and in the implementation of full optical links.

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