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Bristol Instruments Introduces Laser Spectrum Analyzer for Infrared Lasers

Complete wavelength and spectral characterization is now available for CW and pulsed lasers that operate from 1.3 to 11 μm

VICTOR, NEW YORK January 21, 2009 – Bristol Instruments, Inc., the leader in laser wavelength measurement technology, has introduced a laser spectrum analyzer for scientists and engineers who need to know the spectral characteristics of their infrared lasers. Now, researchers using sources such as quantum cascade lasers for high-resolution spectroscopy, photochemistry, or optical sensing applications can achieve more meaningful experimental results with the wavelength and spectral information provided by this new product.

The 721 Series Laser Spectrum Analyzer will work with virtually any CW and high-repetition rate pulsed laser that operates over the range of 1.3 to 11 μm . Absolute laser wavelength is measured to an accuracy as high as ± 0.2 parts per million (± 0.001 nm @ 5 μm), and the laser's spectrum is determined to a resolution as high as 2 GHz. What's more, it does this with an unprecedented level of reliability and convenience.

"The 721 Series Laser Spectrum Analyzer provides the capability that researchers working at infrared wavelengths have needed for quite some time," said Dr. Brian Samoriski, President of Bristol Instruments. "This one instrument measures the wavelength and the spectrum of infrared lasers, whether they operate as CW or pulsed. This is particularly important for those who work with quantum cascade lasers."

About Bristol Instruments

Bristol Instruments designs, manufactures, and markets precision scientific instruments used by scientists and engineers at colleges, universities, and government laboratories. Its unique optical interferometer-based products provide accurate spectral characterization important for applications such as high-resolution laser spectroscopy, photochemistry, and optical remote sensing.

Bristol Instruments is headquartered in Victor, New York. For more information, visit www.bristol-inst.com or call at (585) 924-2620.