



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

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- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

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burleigh

BURLEIGH INSTRUMENTS, INC.

Wavelength Measurement Systems & Laser Spectral Analysis



WAVEMETERS®

Are you and your laser on the same wavelength?

If you rely on manufacturer calibrations or subjective interpretations, you'll never know exactly what wavelength your laser is on. The only way to obtain absolute continuous real-time laser wavelength confirmation is with Burleigh WAVEMETERS®.

WA-1500 - The most accurate, continuous, real-time laser wavelength measurement available.

Accuracy: $\pm 1 \times 10^{-7}$

Wavelength Range: 200 nm - 4 μ m

WA-1000 - Most of the advantages of the WA-1500 and even more affordable.

Accuracy: $\pm 1 \times 10^{-6}$

Wavelength Range: 200 nm - 4 μ m

WA-2500 - The compact affordable alternative for laser wavelength measurement.

Accuracy: $\pm 1 \times 10^{-4}$

Wavelength Range: 400 nm - 1.8 μ m

WA-4500 - Provides the highest accuracy wavelength measurement of pulsed lasers.

Accuracy: ± 0.02 cm⁻¹

Wavelength Range: 400 nm - 1100 nm

WA-5500 - Extends pulsed laser wavelength measurement in the ultraviolet.

Accuracy: ± 0.2 cm⁻¹

Wavelength Range: 190 nm - 680 nm

New Multi Wavelength Analyzer Option for Burleigh CW Wavemeters

The WA-110 FFT Laser Spectrum Analyzer derives your laser's spectral characteristics from the Fourier transform of the Wavemeter's temporal fringe signal. The result is a display of the spectrum with quantitative

information such as the absolute wavelength of each spectral component. The WA-110 is particularly useful for analyzing sources with complex spectra such as diode lasers.

Laser Spectrum Analyzers

If we could meet the needs of all our customers with one laser spectrum analyzer, we would.

But nature won't allow us to. That's why Burleigh makes the world's most comprehensive line of high-performance laser spectrum analyzers.

No matter what kind of laser you have or how you use it, we have a laser diagnostic solution that will help enhance the accuracy of your experiments. In fact, as the world leader in Fabry-Perot technology for over 20 years, no one matches our selection or performance capabilities.

We offer 6 different Laser Spectrum Analyzers:

- * SA PLUStm Series for performance and unprecedented convenience
- * HiFASE[®] Series for highest performance and versatility
- * TL Series for broadband lasers
- * RC Series for greatest versatility
- * CFT/CF Series for most stable spectral measurements
- * Pulsed Laser Spectrum Analyzers for pulsed lasers



New Higher Precision Analysis of your Pulsed Laser
The RFP-3600 RESOLVER[™] Pulsed Laser Spectrum Analyzer automatically measures the linewidth, longitudinal mode structure, and frequency stability of every laser pulse, selected laser pulses or an average of laser pulses to a resolution as high as 100 MHz (0.003 cm⁻¹). The RESOLVER employs our proven Fabry-Perot etalon technology which is customized for a specific application anywhere from the ultraviolet to the near infrared. Each end of the solid etalon is coated with a dielectric coating for optimum performance at a wavelength range of your choice. This etalon is easily changed so the system can be used at different wavelengths. You also have a choice of free spectral range so the RESOLVER can be configured with a large

free spectral range to analyze large linewidth lasers, or it can be configured with a smaller free spectral range for the highest resolution analysis of narrow linewidth lasers.



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