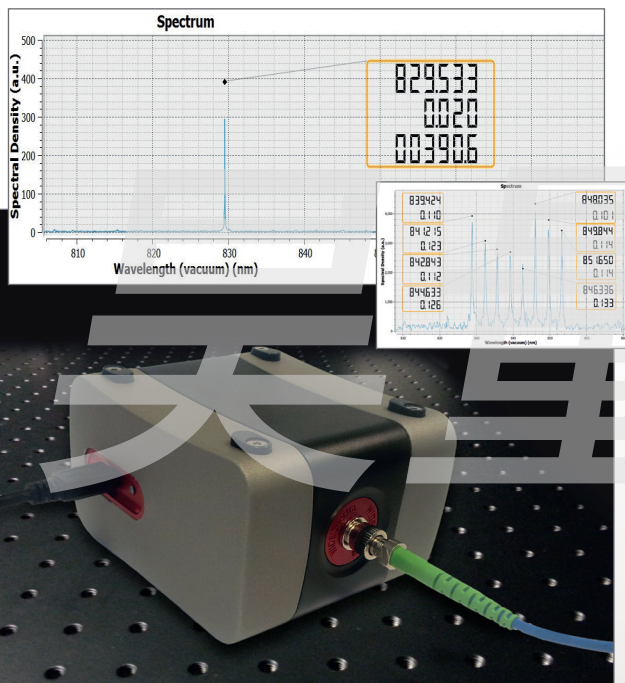


# WIDE Spectra

## Compact Ultra-High Resolution Spectrometer

The WIDE Spectra spectrometer is an ultra-high resolution laser spectrum analyzer with wide measurement bands. Ideal for monitoring narrow-linewidth tunable laser emission over tens or hundreds of nanometers, it is suitable for both continuous and pulsed laser sources, from single pulse to quasi-cw, without any temporal artifact. Thanks to smart **SWIFTS™** TECHNOLOGY, the WIDE Spectra has a steady calibration and can also operate as a multi-wavelength meter.



### Key features

- > High spectral resolution of 6 GHz
- > Wide measurement bands: 30-130 nm
- > Compact size
- > Robust long-life factory calibration
- > User-friendly SpectraResolver software

### Applications

- > Laser spectrum analysis
- > (Multi) wavelength measurement
- > CW to single-pulse laser sources
- > OEM integration and embedded applications



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### CHARACTERISTICS

Wavelength range <sup>(1)</sup>	630 to 1083 nm
Optical Spectral Resolution	7-20 pm / 0.2 cm <sup>-1</sup> / 6 GHz
Absolute accuracy <sup>(2)</sup>	7-20 pm / 0.2 cm <sup>-1</sup> / 6 GHz
Wavelength bandwidth one measurement	30 - 130 nm
Maximum measurement rate	10 Hz
Integration time	15 ms to 29 s
Input power range	10 nW - 10 μW
Aperture	Singlemode fiber N.A. 0.12
Fiber connection	FC/APC
Power consumption	500 mW max (USB power supply)
Communication	USB2.0
Dimensions	10 x 9 x 6 cm

### FUNCTIONALITIES with SpectraResolver Software

Compatibility	Windows 7, 8
Recording	Continuous or multiframe
Dark measurement	Manual and wizard modes
Multi-wavelength meter function	Automatic peak(s) detection
Standard graphical utilities	zoom, markers and peak(s) detection over time
Unit change	nm / cm <sup>-1</sup> / THz
Software Development Kit	DotNet library available Vis LabView available
<b>SWIFTS™</b> TECHNOLOGY	Patents UJF/INPG/UTT/CNRS

<sup>(1)</sup> Factory calibration of 1 band or more on this range, see wavelength bandwidth above.

<sup>(2)</sup> T° calibrated on 10-40°C, no recalibration needed.