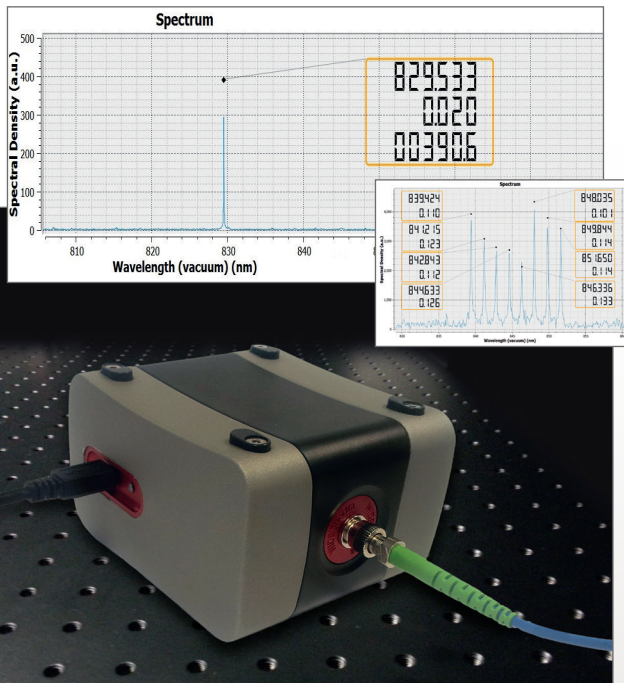


WIDE Spectra

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



Resolution Spectra Systems

13 chemin du Vieux Chêne
38240 Meylan - FRANCE
Tel. +33 (0)4 58 00 12 49
info@resolutionspectra.com
www.resolutionspectra.com

Jan 2015 V1.1

CHARACTERISTICS

Wavelength range ⁽¹⁾	630 to 1083 nm
Optical Spectral Resolution	7-20 pm / 0.2 cm ⁻¹ / 6 GHz
Absolute accuracy ⁽²⁾	7-20 pm / 0.2 cm ⁻¹ / 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 ⁻¹ / THz
Software Development Kit	DotNet library available Vis LabView available
SWIFTS™ TECHNOLOGY	Patents UJF/INPG/UTT/CNRS

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

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