



Miniaturized Spectrometer

NanoSpectro



- World's smallest spectrometer
- Simultaneous obtained of all spectra
- Wireless Communication
- Integration time controlling using software
- Time Monitoring of spectra
- World's first battery powered wireless spectrometer

Specifications of Nano Spectro

Optical Specifications

Wavelength Range	340 nm-880 nm
Wavelength Reporting Interval	< 2 nm
Optical Resolution (FWHM)	5 nm
Wavelength Accuracy	±1.0 nm (at 650 nm)
Wavelength Reproducibility	< ± 0.02 nm for 10 consecutive scans (NIST 2034)
Photometric Accuracy	± 8.0%
Integration Time	54 μs - 2000 ms
Typical Scan Time	0.1 s
Detector	Linear CCD

Physical Specifications

Communication Interface	USB 2.0 (Full Speed)
A/D Conversion	14 bit
Software	Windows XP , 7, 8
Wireless Communication Range	Up to 10 meter range
Battery Life	5 hours (Light Source on)
Operating temperature	5 - 50 °C
Dimensions	56 mm (L) × 34 mm (W) × 25 mm (H)
Storage temperature	- 20 - 70°C
Full charging time	1 hour
Charging type	USB charger

Certification: FCC Pproval for Wireless Interface

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