

Fibre-optic spectrometer selection

Laser Wavelength Measurement

Select among six spectrometers for wavelength, linewidth, Raman, fluorescence and related spectral measurements. Full specifications and Precisometer model datasheets are provided on the spectroscopy product pages.

Model selection

Model	Measurement fit
Aurora 4000	Laser wavelength and linewidth analysis, LED sorting and any measurement where resolution matters more than sensitivity.
Sunshine	Raman, fluorescence and LIBS spectra, semiconductor processing, life science and gas analysis.
Firefly 4000	Teaching, field use and OEM integration where size and weight decide, and 1 nm resolution is enough.
Metal	Weak Raman and fluorescence signals, long integrations, and UV work where a back-illuminated sensor pays off.
Wood	NIR absorption and moisture analysis, fruit and crop testing, telecom laser wavelengths, and on-line composition or concentration monitoring.
Rainbow multi-channel	LIBS and plasma spectroscopy, where a wide spectral window has to be captured at high resolution in a single, precisely timed shot.

Conditions and configuration notes

The same instruments appear in laser wavelength measurement and spectroscopy. Use the detailed spectroscopy model page for configured wavelength range, resolution, optical input, detector, drawings and documents.

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