



The Automated 0.75 Meter Spectrometer

Based on the proven design of Jobin Yvon's M-Series, the 750S and 750I are high throughput, easy to use spectrometers. The 750S(I) is automated with an auto-calibrating precision wavelength drive and motorized slits for full control of your experiment.

750S/750I Features:

All Jobin Yvon 750S spectrometers and 750I spectrographs use state-of-the-art optical design, high quality optics, and unique mirrors and gratings that give the best throughput while providing a fully automated wavelength positioning system.

The 750S is a scanning spectrometer that is fully compatible with all Jobin Yvon PMTs and IR detectors, data acquisition systems, and software. For multi-channel or multi-track spectral analysis, the 750I is an imaging spectrograph that can be integrated with Jobin Yvon's CCDs and InGaAs Arrays.

Both instruments have auto-calibrating grating systems. With more than 50 available JY gratings in individual kinematic mounts, the 750S and 750I can be equipped for a choice of the best resolution or spectral coverage without compromise.

The automatic slits are continuously adjustable from 0 to 2 mm in 2 μ m steps. 750S Spectrometers and 750I Spectrographs are easily controlled through either an RS232 or IEEE-488 interface and are fully compatible with either JY's SpectraMax or LabVIEW VIs software.



750S Spectrometer

Specifications

750S

Focal length: 0.75 m
Aperture: f/6.0
Dispersion: 1.1 nm/mm
Resolution: 0.015 nm
Accuracy: +/-0.05 nm
Repeatability: +/-0.03 nm

750I

Focal length: 0.75 m
Aperture: f/7.5
Dispersion: 1.1 nm/mm
Resolution: 0.02 nm
Accuracy: +/-0.05 nm
Repeatability: +/-0.03 nm

Benefits

- High throughput
- Compatible with most CCDs (750I)
- Complete line of arrays and single channel detectors
- A full range of accessories
- Fully automated with SpectraMax for Windows
- LabView VIs available

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