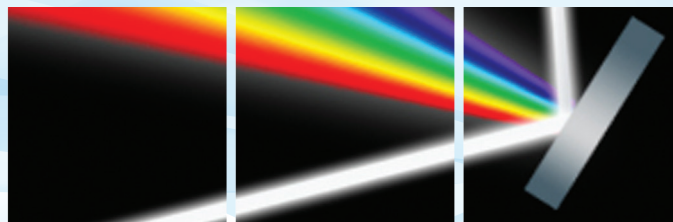


Optical Sample Compartment

ELEMENTAL ANALYSIS
FLUORESCENCE
GRATINGS & OEM SPECTROMETERS
OPTICAL COMPONENTS
FORENSICS
PARTICLE CHARACTERIZATION
RAMAN
SPECTROSCOPIC ELLIPSOMETRY
SPR IMAGING

Universal sample compartment



OBB's Universal Sample Compartment is an ideal sample compartment for a variety of spectroscopy applications. It has a variety of sample holders including thermostatable cuvette holders for solutions or cells adhered to cover slips, solid and powder sample holders and also a liquid nitrogen dewer sample holder for low temperature studies. All samples are positioned at the center of a sample compartment that allows optical access to and from up to four different entrance/exit ports. Thus the sample compartment is ideal for fluorescence, absorbance, UV/Vis/NIR, scatter, pump-probe and other spectroscopic applications.

Standard features in this roomy sample compartment are: a 10 x 10 mm thermostatable cuvette holder, high efficiency chromatic-aberration free quartz optics, filter holders and a lid activated emission shutter. In addition, there is plenty of room for numerous options, such as: variable speed stirrer, solid or powdered sample holder and more.



Features and Benefits

- Universal access (L-format, I-Format, T-Format or X-Format)
- Excitation and detection filter holders (filters not included)
- Aberration free, quartz doublet excitation/detection lenses (f/1.3 to or from sample, f/4.5 to or from compartment exit)
- Lid-activated detection port shutter
- Sample injection port
- Variety of sample holders for solutions, solids, powders and liquid nitrogen

Applications

Applications for OBB monochromators cover a broad range of scientific, OEM and research applications. These monochromators are used as the tunable, scanning optical elements for a variety of spectroscopy systems.

Monochromator for,

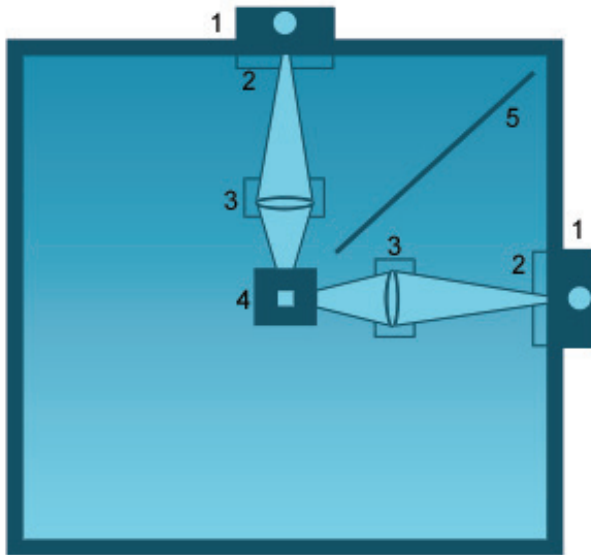
- Fluorometers
- UV /Vis spectrometers
- CD spectrometers
- Stopped-flow spectrometers
- Tunable illuminators

These monochromators are also used for a broad a range of applications almost as diverse as the wavelength range across which they emit.

- Photochemistry
- Photo-activation
- Photobiology
- Photovoltaics
- Spectroscopy
- Optical teaching labs

Specifications

Size	28" (w) x 28"(d) x 9" (h)
Optical configurations	L, T, I and X Format
Optics	Collection and emission for f/4.5 components
Apertures	Entrance and exit micrometer adjustable slits
Sample holders	Solids, liquids, powders & liquid N2 dewer



1. Entrance/exit slits, continuously adjustable
2. Filter holders for 2" square or 1" circular filters
3. Quartz lenses
4. Sample holder (cuvette holder shown)
5. Light baffle between channels



OPTICAL BUILDING BLOCKS



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