

monochromator

Optical device that transmits a mechanically selectable narrow band of wavelengths of electromagnetic radiation chosen from a wider range of wavelengths available at the input.

Note:

To spatially separate the wavelengths, a monochromator can use either the phenomenon of optical dispersion in a prism, or that of diffraction using a grating.

Source:

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 372