

double-beam spectrometer (for luminescence spectroscopy)

Double (spectral) beam spectrometers are used where two samples are to be excited by two different wavelengths. A double- (synchronous) beam spectrometer is a luminescence spectrometer in which both the excitation and emission monochromators scan the excitation and emission spectra simultaneously, usually with a fixed wavelength difference between excitation and emission.

Source:

Orange Book, p. 191