

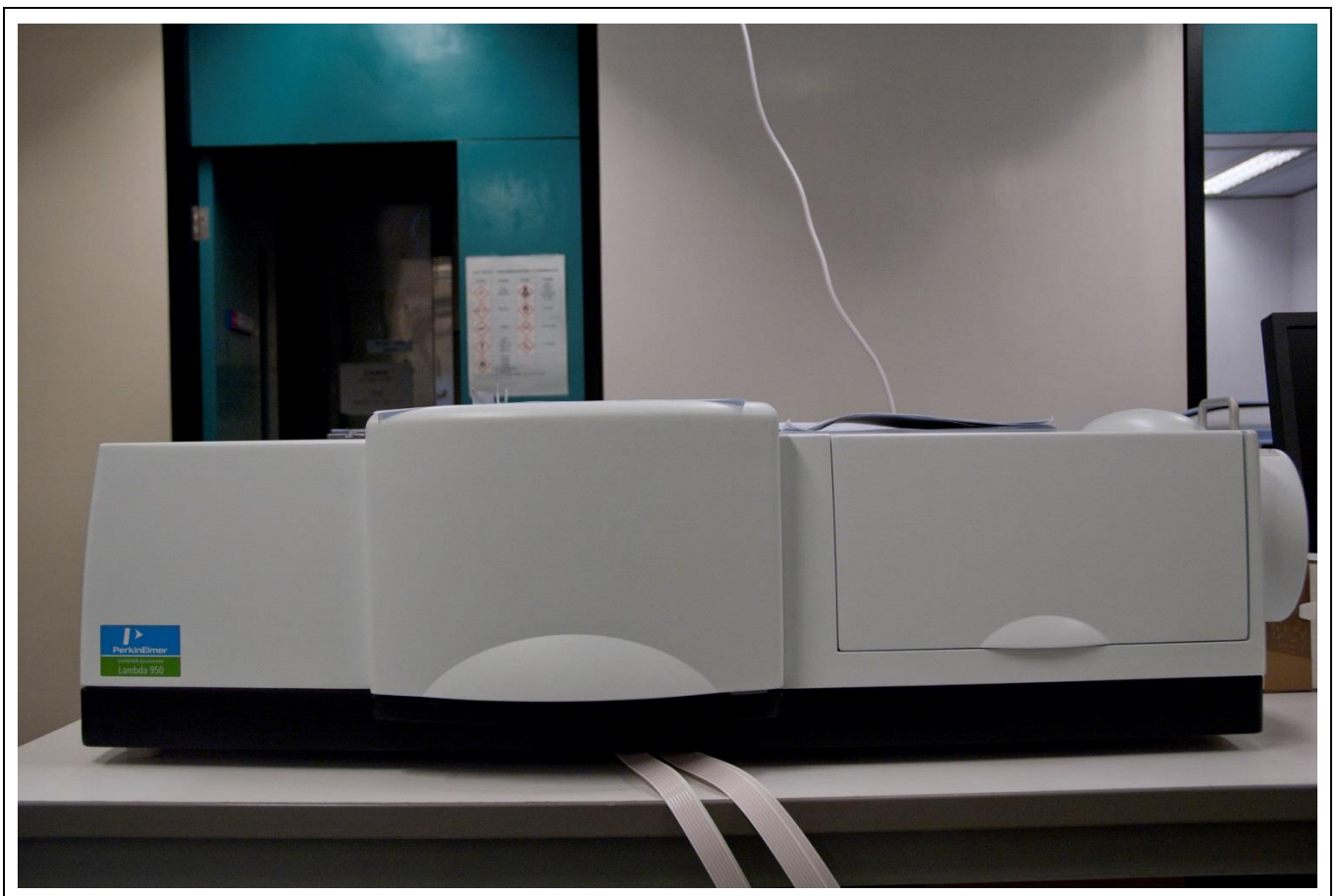
## UV-Visible NIR Spectrometer

Brand: Perkin Elmer, USA

Model: Lambda 950

**General Usage :-** The spectrometer is a high performance double beam, double monochromator instrument that can cover a wavelength range from 175 to 3300 nm with a spectral resolution of 0.05 nm in UV-Visible and 0.2 nm in NIR range. It can be used for colorimetric measurements, scanning the spectrum of sample, kinetic measurement of a reaction, studying the optical properties of material etc. The unit is installed with a Peltier cooling system for sample so that sample can be measured at predefined temperature from 0 to 100 °C. In addition for normal liquid sample, the spectrophotometer is installed with a 150 mm integrating sphere for studying reflectance, scattering and transmission properties of solid or highly absorbing samples.

**Application :-** Colorimetric measurement for water and waste water chemical analysis, kinetic study of reaction, surface characterization of solids (such as dyes, paper, glass, catalyst...), the photometric analysis of turbid, colloidal, transparent and translucent samples.



**Perkin Elmer model Lambda 950 UV-Visible NIR Spectrometer**