

UV-Vis Spectrophotometer [Transmission Mode]



UV-Vis Spectrophotometer at Center for Nanoscience & Nanotechnology

UV-Vis Spectrophotometer measures the amount of light of a specified wavelength which passes through the sample i.e. absorption of radiation through a sample. Molecules containing non-bonding electrons (n-electrons) can absorb the energy in the form of ultraviolet or visible light to excite these electrons to higher molecular orbitals. The more easily electrons are excited (i.e. lower energy gap between the HOMO and the LUMO), the longer is the wavelength of light it can absorb. It is used to measure the thickness and optical properties of thin films on a solid substrate.

Company	Agilent Technologies
Model Number	Cary 100 Series UV-vis Spectrophotometer
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Full Specifications	Click here for full specifications