

UV-VIS-NIR Spectrophotometer

The central research facility (CRF) of Indian School of Mines, Dhanbad has installed UV-VIS-NIR Spectrophotometer for the optical properties (Absorption/ Reflectance/ Transmittance) measurement of solid & liquids samples including thin films.

Make & model	: Agilent Cary 5000
Wavelength range	: 175 nm ó 3300 nm
Monochromator	: Double out-of-plane Littrow Monochromator
Light source	: Tungsten-halogen and deuterium
Detector	: For UV-VIS : R 928 Photmultiplier For NIR : Peltier cooled PbS photocell
Integrating Sphere attachment	: 110 mm module for Diffuse Reflectance Measurements

