

Specification for Polarimeter

Measuring Mode	Optical Rotation, Specific Rotation, Concentration, Sugar Degrees, °Z (ISS)
Measuring Scale	Degrees Arc Optical Rotation
AP Accuracy Option	Accuracy: $\pm 0.004^\circ$ Arc Optical Rotation
Measuring Range	$\pm 89.9^\circ$ Arc Optical Rotation, $\pm 999.99^\circ$ Arc Specific Rotation, 0-99.9% Concentration
Optical Wavelengths	Fixed wavelength : 589nm, 546nm (must be upgradable to another 2 wavelength)
Wavelength Selection	Fixed
Prism	Glan Thomson prism with life time warranty
Temperature Control	TempTrol™ Automatic Electric Heating and Cooling 15° - 40°C
Light Source	Tungsten-Halogen
Data Storage	32 GB Non-removable Compact Flash
Communication Interface	3 – USB Ports, 2 – RS232 Ports, Ethernet Port for Network Connection
Calibration	Automatic calibration via touchscreen
Optical Density	Up to 4OD for measuring dark samples
Warranty	For one year
Installation	Installation at IIT Madras