

OPT - S1200+



OPT-S120+ automatic infrared spectroscopic ellipsometer is the continuous wavelength infrared monochromator fully automatic elliptically polarized light spectrometer, the international company sales today the only automatic infrared band elliptically polarized light spectrometer, it has a high sensitivity, high quick test of the advantages of accuracy and base monochromatic light detection, the optical properties of the dielectric, semiconductor, metals, organic compounds and other materials can be used, the structural features of the growth process and material quality.

OPTIONS

- Spectral range 4000 cm^{-1} - 800 cm^{-1}**
- Automated Angle of Incidence 20-90°**
- Motorized XY stage**
- Heater**

STANDARD FEATURES

- **Spectral range 4000 cm^{-1} - 800 cm^{-1}**
- **Scan analyzer for high speed**
- **Identification of chemical bonds**
 - Free-Carrier Effect
 - Fast measurement speed.
 - Advanced spectroscopic ellipsometry software.
- **Hundreds of materials information which includes parameter**
- **Provides easy and quick many measurement**
- **Integrated automatic data collection**
- **EMA model for multi-component compounds and surface roughness analysis with experimental data and simulation data of three-dimensional graphics functions**

TECHNICAL SPECIFICATIONS

Range of Spectrum Nominal	4000 cm^{-1} – 800 cm^{-1}
Range of Option	FIR / NIR
Accuracy	± 0.01
Repeatability	±0.003
Light Source	Silicon Carbide
Spot Size	1mm x 3 mm
Incidence angle range	20 degrees to 90 degrees, 0.01 degrees / step
Sample Alignment	Second laser alignment with automatic correction unit
Sample Stage	Ø160 mm