

LI16C ELLIPSOMETER SPECIFICATIONS

Laser Light Sources	632.8 nm Helium -Neon Red Laser (less than 1 mW)
Incidence Angles	50° and 70° are used the most (See manual
Beam Diameter (std.1 mm)	1.0 x 1.6 mm at 50° 1.0 x 3.0 mm at 70°
Compensator	Quarter -wave plate; fast axis at $+90^{\circ}$ to plane of incidence
Polarizer / Analyzer	360° graduated at 1° intervals with 10· part vernier (rp to 1°)
Sample Size	Up to 150 mm (5.9") dia. to 10 mm max thickness
Method of Measurement	Dual mode (with and without the compensator in the laser light path); the polarizer drum fixed at 45° ; the rotating analyzer samples 144 data points
Film Thickness Range	0 to 6,000 nm
Accuracy	± 0.3 nm
Repeatability	$\pm .1$ nm
Refractive Index	± 0.005