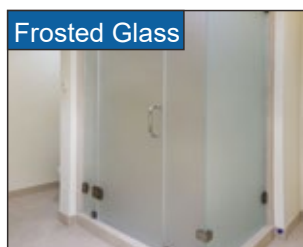


LS117 optical density meter is suitable for the optical density test of aluminized film, X-ray film, etc. It is also a professional light transmittance meter with integrating sphere effect special for translucent materials such as opalescent and matte surfaces.

◆ Application



◆ Core Advantages

1. Simultaneously measure transmittance value and optical density value.
2. 0.0005% high resolution, also suitable for ultra-low light transmittance materials.
3. Conform to CIE photopic function standard and ensure to pass the inspection of China Institute of Metrology.

◆ Parameters

Light Source	380nm-760nm full spectrum, conform to CIE photopic luminosity function
Transmittance Accuracy	$\pm 1\%$ (0% --- 50%) / $\pm 2\%$ (50% --- 100%)
Transmittance Resolution	0.0005% (0% --- 10%) / 0.005% (10% --- 100%)
Optical Density Accuracy	± 0.02 (0 --- 2.00 OD) / $\pm 2\%$ (2.00 --- 6.00 OD)
Optical Density Resolution	0.001 OD (0 --- 2.00 OD) / 0.01 OD (2.00 --- 4.00 OD) / 0.1 OD (4.00 --- 6.00 OD)
Optical Density Range	0.000 OD --- 6.000 OD
Measuring aperture	2mm

◆ LS116 and LS117 Selection Table

Type	Material	LS116 (2nd)	LS117 (2nd)
Regular Transmission Materials	Single layer glass, hollow glass, stick-film glass, etc.	✓	Not Recommended
	PMMA, PC, organic glass, etc.	✓	Not Recommended
Diffuse Transmission Materials	Aluminized film, ink, black film, X-ray film	✗	✓
	Opal glass, zirconia, frosted glass, AG glass, etc.	✗	✓