



COLOR & HAZE METER

LHM-A1 Series

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Color &Haze Meter LHM-A1 series

Color &Haze meter LHM-A1 series is used for haze and transmittance measurement. It has open measurement area with no limit on sample size, can carry out vertical measurements as well. It comes with different light sources such as A, C, D65 etc. for haze, transmittance measurement. Design is confirmed to ASTM & ISO standards, where transmittance compensation measurement provides highly accurate test result.

Features

- 5.0 inch TFT touch screen display interface
- Different light sources A,C, D65 etc. for haze, transmittance measurement
- Open measurement area with no limit on sample size
- Confirms to ASTM & ISO haze measurement standard
- Different fixtures to meet the measurement requirement for sheet material & liquid in different shapes
- Equipped with software for haze and transmittance
- Different parameters can be tested like Haze, Transmittance, and Yellowness & Whiteness Index etc.
- Large storage capacity (100 test samples , 200 measurement records for each sample)

Applications

Color &Haze meter has applications in haze and transmittance measurement of anti-glare plastic sheets, films, glass, LCD panel screens used for TV screen, car navigation screen, computer screen, mobile phone cover & other transparent & semi-transparent material color.

Specifications

Model no.	LHM-A10	LHM-A11
Light source	CIE-A, CIE-C, CIE-D65	CIE-A,CIE-C,CIE-D65 Chromaticity Value: A,C,D50, D55,D65, D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11, F12,CMF,U30,DLF,NBF,TL83,TL84
Standards	ASTM D1003/D10446 ISO13468/ISO14782	ASTM D1003/D1044,ISO13468/ ISO14782 CIE No.15,ISO 7724/1,ASTM E1164
Parameters	HAZE,Transmittance(T)	HAZE,Transmittance(T),Spectral Transmittance, Whiteness Index (ASTM E313-00, ASTM E313-73, CIE/ISOAATCC, Hunter, Taube Berger Stensby) Yellowness Index (ASTM D1925 ASTM E313-00, ASTM E313-73) Tint(ASTM E313-00), Metamerism Index, Milm APHA,Pt-Co, Gardner, Color Difference(ΔE^*ab , ΔE^*CH , ΔE^*uv , $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*94 , ΔE^*00)
Spectral response	CIE Luminosity function y	
Wavelength	400 to 700 nm	
Wavelength interval	10 nm	
Geometry	O/d	
Measurement area/ sample port	16.5 mm/ 21 mm	
Measurement range	0 to 100 %	
Haze resolution	0.01	
Haze responsibility	≤ 0.1	
Sample size	Thickness ≤ 150 mm	
Display	5.0 inch TFT touch LCD screen	
Memory	20000 value	
Interface	USB	

Specifications

Power	220 V with power cable
Working temperature	10 to 40°C
Storage temperature	0 to 50°C
Dimension (L*W*H)	598×247×366 mm

Standard accessories:

- PC software (color QC)

Standard accessories:

- Measurement fixtures
- Haze standard film