

CHOOSE A PROFESSIONAL METER



# HAZE METER



## Haze/transmittance Measurement

- ⊙ In line with international standards
- ⊙ Built-in  $\Phi 154\text{mm}$  large integrating sphere
- ⊙ 18 light sources, 6 color spaces
- ⊙ Support haze, light transmittance, yellowness, whiteness, etc. measurement
- ⊙ Support spectrum graph, color difference value/graph, chromaticity graph display



Dual Array Silicon  
Photonics Diode sensor



Spectral display



Concave Grating



7in color touch screen



## Product description

YH1600 haze meter can easily achieve ASTM D1003 non-compensation method, full light transmittance, haze test. Open sample bin can be vertically and horizontally tested to accommodate more samples to be tested. The YH1600 haze meter uses a PDF array detector to meet the CIE  $V(\lambda)$  2 degree visual response. The compensation method can be used to measure the light transmittance and haze with high precision and repeatability.



Glass business



Plastic business



Film



Liquid analysis



Laboratory



### PC Software

Use the host computer software to connect the haze meter to the computer for density/transmittance monitoring and data management. It is convenient to compare, analyze, and print test reports, provide multiple color space measurement data, and customize customer management.

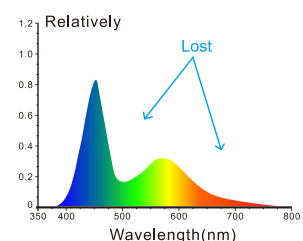
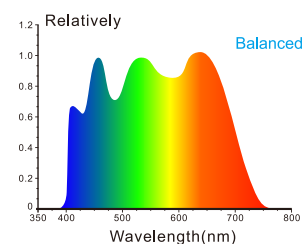


Comply with ISO&ASTM standards



Beautiful and practical appearance

### Full spectrum LED light source



## Advantages of haze meter

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Using full-band balanced LED light source

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Comply with ISO&ASTM standards

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Silicon photodiode dual array sensor

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Independent core technology property rights

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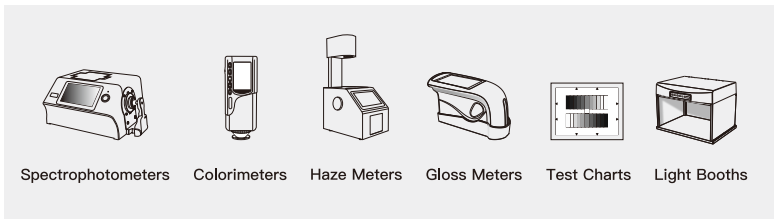
Beautiful and practical appearance

6





PC management software

Model:	YH1600
Optical Geometry:	Transmission: 0/D (parallel light illumination, diffuse reflection reception)
Standards compliant:	ASTM D1003/1044,ISO 13468,ISO 14782,GB/T 2410,JJF 1303-2011, CIE 15.2,GB/T 3978,ASTM E308,JIS K7105,JIS K7361,JIS K7136
Integrating Sphere Size:	Φ 154mm
Illuminant:	LED lighting
Spectrophotometric Mode:	Concave Grating
Sensor:	256 Image Element Double Array CMOS Image Senso
Wavelength Range:	400-700nm (wavelength can be customized)
Wavelength Pitch:	10nm
Semiband Width:	10nm
Transmittance range:	0-100%
Measuring Aperture:	Φ20mm/Φ15mm/Φ8mm/Φ4mm(Choose one)
Sample size:	The thickness is less than 105mm
Color Space:	CIE LAB,XYZ,Yxy,LCh,s-RGB,βxy
Color Difference Formula:	$\Delta E^*ab, \Delta E^*94, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*00$
Other Colorimetric Data:	Haze(ASTM D1003/1044,ISO 13468), Transmittance T(ISO), Transmittance T(ASTM),WI(ASTM E313,CIE/ISO,AATCC,Hunter), YI(ASTM D1925,ASTM 313),Absorbance, Pt-Co index, Gardner index
Observer Angle:	2° & 10°
Illuminants:	D65,A,C,D50,D55,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9F10,F11,F12,CWF,DLF,TL83,TL84,TPL5,U30
Displayed Data:	Spectral graph, sample chromaticity value, color difference value/graph, chromaticity graph, color simulation, pass/fail result
Measuring Time:	about 1.5s
Precision:	0.01
Repeatability:	Φ20mm Caliber,< 0.05 (After the instrument is warmed up and corrected, the standard deviation value of the standard haze sheet with a haze of about 40 is tested at an interval of 5s)
Inter-instrument Error:	Φ20mm Caliber,< 0.4 (After the instrument is warmed up and corrected, test the standard deviation of the haze standard haze sheet and the reference value at an interval of 5s)
Size:	Length X Width X Height=290x211x511mm
Weight:	About 7.6 kg
Power Supply:	DC 24V, 3A Power Adapter
Light Source Device Life:	5 years, more than 3 million times measurements.
Display:	7" TFT Capacitive Screen-touch Display
Data Port:	USB & Print serial port & Bluetooth
Data Storage:	Standard 5000 Pcs, Sample 20000 Pcs
Language:	Simplified Chinese, Traditional Chinese, English
Working Environment:	Temperature: 0~40°C; Humidity: 0~85% (No Condensation)
Storage Environment:	Temperature: -20~50°C; Humidity: 0~85% (No Condensation)
Standard Accessory:	Power adapter, manual, quality management software (download from official website), data cable, 0% calibration box, measuring caliber
Optional Accessory:	Micro printer, test fixture, standard haze film, foot switch
Notes:	The specifications are subject to change without notice.

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