

CHOOSE A PROFESSIONAL METER

COLOR 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

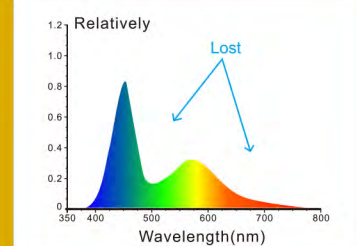
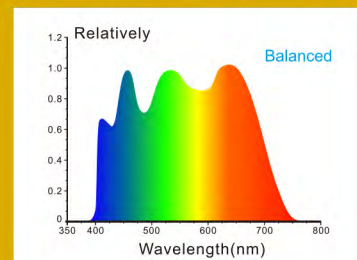
Use the host computer software to connect the haze meter to the computer for density/transmittance monitoring and data management. It is convenient to compare, analyze, and print test reports, provide multiple color space measurement data, and customize customer management.



Comply with ISO&ASTM standards

Beautiful and practical appearance

Full spectrum LED light source



Advantages of haze meter

1

Using full-band balanced LED light source

4

Comply with ISO&ASTM standards

2

Silicon photodiode dual array sensor

5

Independent core technology property rights

3

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: Φ154mm

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,< 0.08

(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,< 0.04

(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 7.6kg

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.

Warning:Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

NOTE:This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement:This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.