

Choose professional products

Haze meter/Transmittance meter YH1100/YH1000

- ◉ In line with international standards
- ◉ Built-in $\Phi 154\text{mm}$ integrating sphere
- ◉ D65, A, C three light sources
- ◉ Support haze and transmittance measurement



Dual Array Silicon
Photonics Diode sensor



Spectral display



Concave Grating



7in color touch screen



Product description

YH1100&YH1000 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 YH1100&YH1000 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



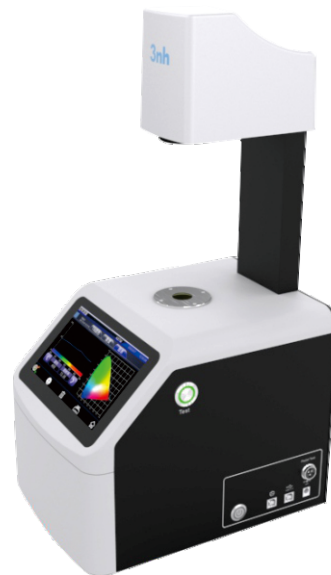
Film



Liquid analysis



Laboratory



Advantages of haze meter

1

Compliant with standard ASTM

Meet a variety of test requirements, Standards compliant: ASTM D1003/1044, GB/T 2410, JJF 1303-2011, CIE 15.2, JIS K7105, JIS K7361, JIS K7136

2

Simple operation and quick measurement

The YH1100&YH1000 haze meter is equipped with a large-size touch screen for easy operation. With a PD array detector, CIE $V(\lambda)$ 2 degree visual response enables high precision and repeatable transmittance and fog measurements. USB data output device for docking with laboratory system.

3

Dynamic measurement

Independent light source detector and temperature sensor, constantly monitor light source and environmental change, ensure the reliability of test data.

4

Support a variety of samples

Independent light source detector and temperature sensor, constantly monitor light source and environmental change, ensure the reliability of test data.

5

Support a variety of samples

It provides powerful software for measuring and analyzing fog and light transmittance, which is suitable for quality monitoring and tabulated management of fog and light transmittance data in various industries. The management of users will be digitized at the PC end, the difference of fog and light transmittance will be compared, and the test report form will be generated to facilitate customer customization and management.

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.

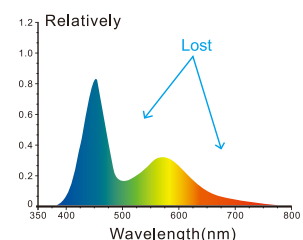
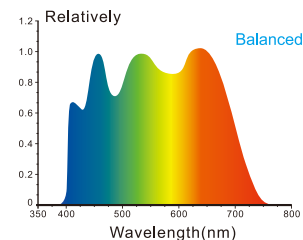


Compliant with standard ASTM



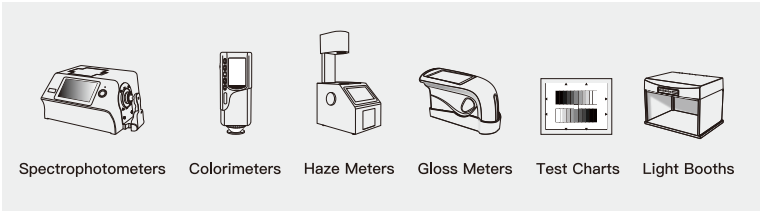
Beautiful and practical appearance

Full spectrum LED light source







Model: YH1100	YH1000
Optical Geometry: Transmission: 0/D (parallel light illumination, diffuse reflection reception)	
Standards compliant: ASTM D1003/1044,GB/T 2410,JJF 1303-2011, CIE 15.2,JIS K7105,JIS K7361,JIS K7136	
Integrating Sphere Size: Φ 154mm	
Illuminant: 400-700nm LED light source	
Spectrophotometric Mode: /	
Sensor: PD array detector, meeting CIE V(λ) 2 degree visual response	
Wavelength Range: /	
Wavelength Pitch: /	
Semiband Width: /	
Transmittance range: 0-100%	
Measuring Aperture: Φ20mm/Φ15mm/Φ8mm/Φ4mm(Choose one)	
Sample size: The thickness is less than 170mm	
Color Space: /	
Color Difference Formula: /	
Other Colorimetric Data: Haze (ASTM ,ISO), transmittance T (ASTM)	
Observer Angle: 2°	
Illuminants: D65,A,C	
Displayed Data: Pass/fail result	
Measuring Time: about 1.5s	
Precision: 0.01	0.1
Repeatability: Φ20mm Caliber,< 0.08	Φ20mm Caliber,< 0.1
(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	
Data Storage: Standard 1000 Pcs, Sample 20000 Pcs	Standard 1000 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.	

GUANGDONG THREENH TECHNOLOGY CO., LTD.



★CONTACT US

-  web:www.3nh.com
-  Email:3nh@3nh.com
-  Tel:0086-020-82880288
-  Add: 6-8th floors, Building B33, Low Carbon Headquarters Park, Xincheng Road No.400, Zengcheng District, Guangzhou, Guangdong Province, China