

# 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



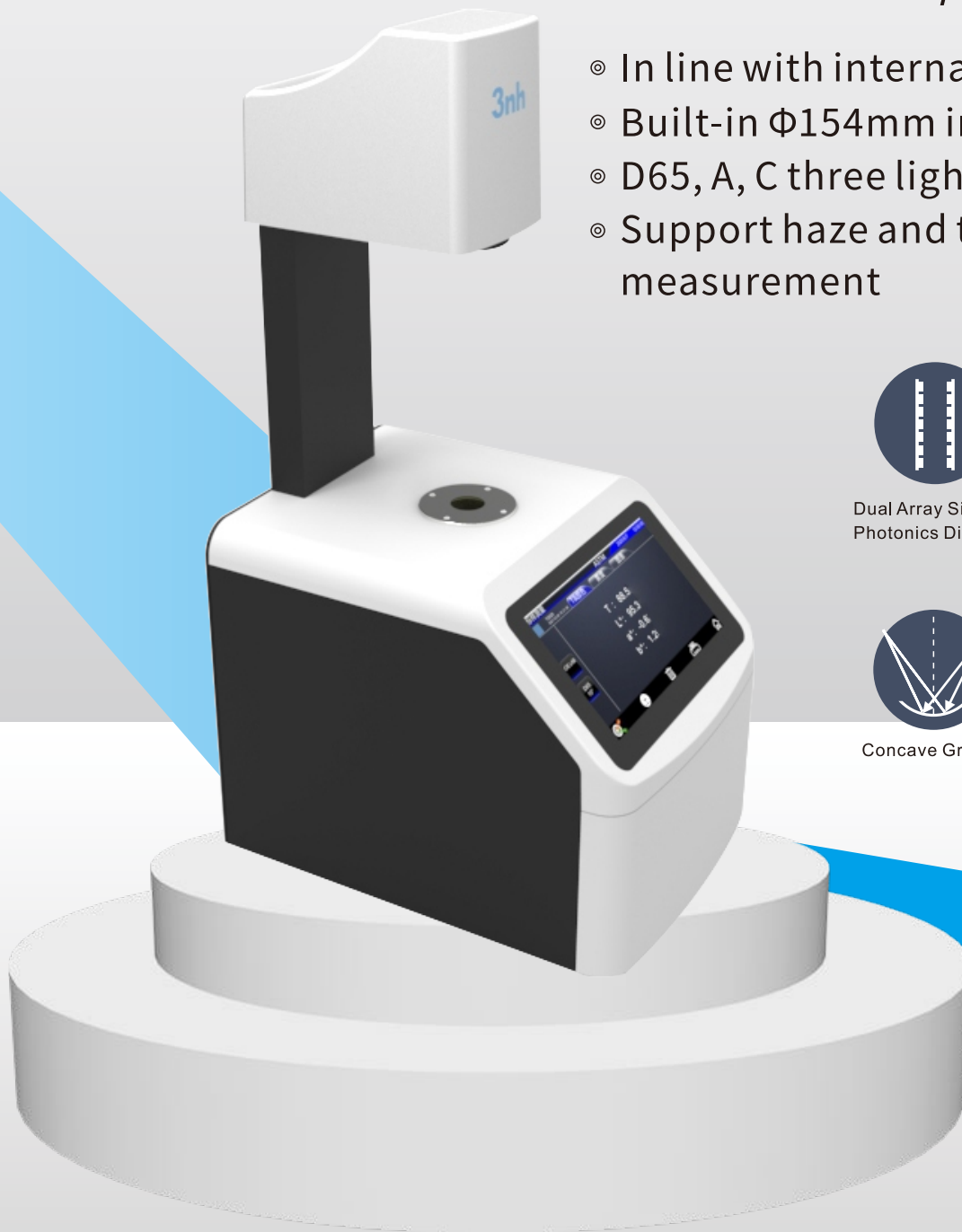
Spectral display



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.

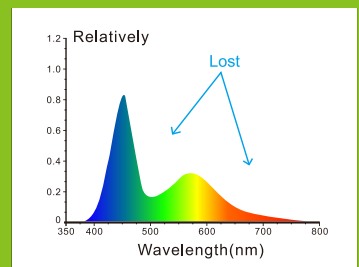
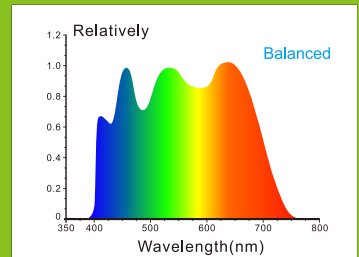


Compliant with standard ASTM



Beautiful and practical appearance

### Full spectrum LED light source







<b>Model:</b> YH1100	YH1000
<b>Optical Geometry:</b> Transmission: 0/D (parallel light illumination, diffuse reflection reception)	
<b>Standards compliant:</b> ASTM D1003/1044,GB/T 2410,JJF 1303-2011, CIE 15.2,JIS K7105,JIS K7361,JIS K7136	
<b>Integrating Sphere Size:</b> $\Phi$ 154mm	
<b>Illuminant:</b> 400-700nm LED light source	
<b>Spectrophotometric Mode:</b> /	
<b>Sensor:</b> PD array detector, meeting CIE V( $\lambda$ ) 2 degree visual response	
<b>Wavelength Range:</b> /	
<b>Wavelength Pitch:</b> /	
<b>Semiband Width:</b> /	
<b>Transmittance range:</b> 0-100%	
<b>Measuring Aperture:</b> $\Phi$ 20mm/ $\Phi$ 15mm/ $\Phi$ 8mm/ $\Phi$ 4mm(Choose one)	
<b>Sample size:</b> The thickness is less than 170mm	
<b>Color Space:</b> /	
<b>Color Difference Formula:</b> /	
<b>Other Colorimetric Data:</b> Haze(ASTM D1003/1044), Transmittance T(ASTM)	
<b>Observer Angle:</b> 2°	
<b>Illuminants:</b> D65,A,C	
<b>Displayed Data:</b> Pass/fail result	
<b>Measuring Time:</b> about 1.5s	
<b>Precision:</b> 0.01	0.1
<b>Repeatability:</b> $\Phi$ 20mm 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)	$\Phi$ 20mm Caliber,< 0.1
<b>Inter-instrument Error:</b> $\Phi$ 20mm 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)	
<b>Size:</b> Length X Width X Height=290x211x511mm	
<b>Weight:</b> About 7.6 kg	
<b>Power Supply:</b> DC 24V, 3A Power Adapter	
<b>Light Source Device Life:</b> 5 years, more than 3 million times measurements.	
<b>Display:</b> 7" TFT Capacitive Screen-touch Display	
<b>Data Port:</b> USB & Print serial port	
<b>Data Storage:</b> Standard 1000 Pcs, Sample 20000 Pcs	Standard 1000 Pcs, Sample 20000 Pcs
<b>Language:</b> Simplified Chinese, Traditional Chinese, English	
<b>Working Environment:</b> Temperature: 0~40°C; Humidity: 0~85% (No Condensation)	
<b>Storage Environment:</b> Temperature: -20~50°C; Humidity: 0~85% (No Condensation)	
<b>Standard Accessory:</b> Power adapter, manual, quality management software (download from official website), data cable, 0% calibration box, measuring caliber	
<b>Optional Accessory:</b> Micro printer, test fixture, standard haze film, foot switch	
<b>Notes:</b> The specifications are subject to change without notice.	

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