



## YH1210 Haze meter

YH1210 haze meter can easily implement ASTM D1003 non-compensation method, ISO 13468 compensation method, full light transmittance, haze test, open sample chamber can be tested vertically and horizontally, which is suitable for more samples to be tested. YH1210 haze meter adopts PD array detector to meet CIE  $V(\lambda)$  2 degree visual response. Compensation method measurement can achieve high-precision and repeatable light transmittance and haze data measurement.



# PRODUCT FEATURES



**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.



**Compensation port**



Vertical haze measurement



Standard measurement

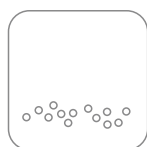
## Advantages of haze meter

<p><b>1</b> ISO&amp;ASTM</p>	<p>Meet a variety of test requirements, Standards compliant: ASTM D1003/1044, ISO 14782, GB/T 2410, JYF 1303-2011, CIE 15.2, JIS K7105, JIS K7361, JIS K7136</p>
<p><b>2</b> Simple operation and quick measurement</p>	<p>The YH1210 haze meter is equipped with a large-size touch screen for easy operation. With a PD array detector, CIE V(λ)2 degree visual response enables high precision and repeatable transmittance and fog measurements. USB data output device for docking with laboratory system.</p>
<p><b>3</b> Dynamic measurement</p>	<p>Independent light source detector and temperature sensor, constantly monitor light source and environmental change, ensure the reliability of test data.</p>
<p><b>4</b> Support a variety of samples</p>	<p>Independent light source detector and temperature sensor, constantly monitor light source and environmental change, ensure the reliability of test data.</p>
<p><b>5</b> Support a variety of samples</p>	<p>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.</p>

# APPLICATION INDUSTRY



Glass industry



Plastic processing



Film manufacturing



Liquid measurement



Laboratory

**Model:** YH1210

**Optical Geometry:** Transmission: 0/D (parallel light illumination, diffuse reflection reception)

**Standards compliant:** ASTM D1003/1044, ISO 13468, ISO 14782, GB/T 2410, JF 1303-2011, CIE 15.2, JIS K7105, JIS K7361, JIS K7136

**Integrating Sphere Size:**  $\Phi$  154mm

**Illuminant:** 400-700nm LED light source

**Spectrophotometric Mode:** /

**Sensor:** PD array detector, meeting CIE V( $\lambda$ ) 2 degree visual response

**Wavelength Range:** /

**Wavelength Pitch:** /

**Semiband Width:** /

**Transmittance range:** 0-100%

**Measuring Aperture:**  $\Phi$ 20mm/ $\Phi$ 15mm/ $\Phi$ 8mm/ $\Phi$ 4mm(Choose one)

**Sample size:** The thickness is less than 105mm

**Color Space:** /

**Color Difference Formula:** /

**Other Colorimetric Data:** Haze(ASTM D1003/1044, ISO 13468), Transmittance T(ISO), Transmittance T(ATM)

**Observer Angle:** 2°

**Illuminants:** D65,A,C

**Displayed Data:** Pass/fail result

**Measuring Time:** about 1.5s

**Precision:** 0.01

**Repeatability:**  $\Phi$ 20 mm aperture, less than 0.05 (after instrument preheating and correction, test the standard nebulizer with the nebulization of about 30 at an interval of 5s for 30 times of standard deviation)

**Inter-instrument Error:**  $\Phi$ 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)

**Size:** Length X Width X Height=487x260x298mm

**Weight:** About 8.0 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

**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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