

YH1100

HAZE METER



3nh Global

YH1100 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 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.

HAZE METER



Easily achieve ASTM D1003 non-compensation method, full light transmittance, haze test



7-inch large touch screen



Horizontal or vertical measurement



Double standard ISO & ASTM



Quality management software

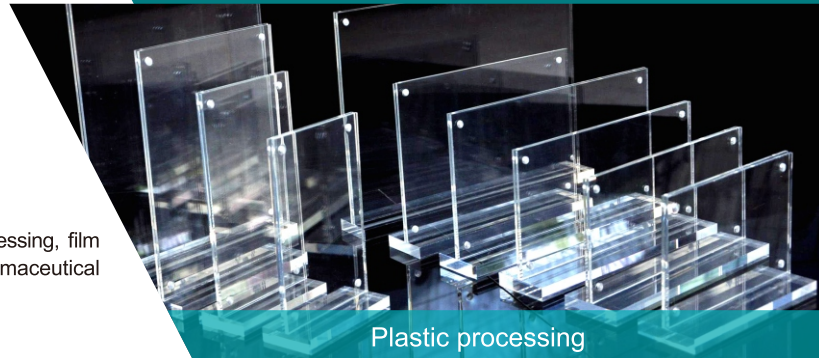


SHENZHEN THREEENH TECHNOLOGY CO., LTD.

YH1100

APPLICATION INDUSTRY

YH1100 haze meter is widely used in glass processing, plastic processing, film processing, screen processing, packaging industry, liquid pharmaceutical analysis and other aspects.



Plastic processing



Plastic processing



Glass processing



Laboratory



Film processing



Liquid analysis

TECHNICAL ADVANTAGE

1.Double standard ISO & ASTM

Able to meet the test standard requirements of different users, in accordance with ASTM D1003/1044, ISO 14782, GB/T 2410, JJF 1303-2011, CIE 15.2, GB/T 3978, ASTM E308, JIS K7105, JIS K7361, JIS K 7136

2.Easy to operate, faster and more accurate measurement

The YH1100 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.Easy to measure and widely applicable to samples

Open measuring area, vertical and horizontal testing, suitable for more samples to be tested.

5.Quality control software

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.

SPECIFICATION PARAMETER

YH1100 Haze Meter

Product Model: YH1100 Haze Meter

Optical Geometry: Transmittance: 0/D (Parallel light illumination, diffuse viewing) , Conforms to:ASTM D1003/1044,ISO 14782, GB/T 2410,JJF 1303-2011, CIE 15.2, JIS K7105, JIS K7361, JIS K 7136

Character: The instrument can easily achieve ASTM D1003 non-compensation method, full light transmittance,haze test.Open measuring area for vertical and horizontal testing.In glass processing, plastic processing, film, screen processing, packaging and other industries are widely used in transmittance,haze detection.

Integrating Sphere Size: Φ154mm

Light Source: 400nm to 700nm, combined LED light

Sensor: The PD array detector satisfies CIE V(λ)2 degree visual response

Transmittance measurement range: 0~100%

Measuring Aperture: Φ20mm/Φ15mm/Φ8mm/Φ4mm(Select a single aperture)

Sample Size: Thickness < 170mm

Other Colorimetric Index: Haze(ASTM D1003/1044, ISO 13468), Transmittance T(ASTM)

Observer Angle: 2°

Illuminant: D65,A,C

Displayed Data: PASS/FAIL Result

Measuring Time: About1.5s

Haze resolution: 0.01unit

Haze repeatability: Φ20mm,within 0.1 (After preheating and calibration of the instrument, standard deviation values of standard haze tablets with a test haze of about 40 for 30 times were taken at intervals of 5s.)

Inter-instrument Error: Φ20mm,with 0.4 (After the instrument is preheated and calibrated, the standard deviation between the standard haze tablet and the reference value is tested at an interval of 5s.)

Dimension: L*W*H=290X211X511mm

Weight: About7.6kg

Power: AC 24V, 3A Power adapter power supply

Illuminant Life Span: 5 years, more than 3 million times measurements

Display: 7-inch TFT color LCD, Capacitive Touch Screen

Data Port: USB & Print serial port

Data Storage: Standard 1000 pcs,sample 20000 pcs

Language: Simplified Chinese,Traditional Chinese,English

Operating Environment: 0~40°C (32~104°F)

Storage Environment: -20~50°C (-4~122°F)

Standard Accessory: Power Adapter, User Guide,Quality Management Software (download from the official website),USB cable,0% calibration box,Aperture.

Optional Accessory: Micro-printer,Test fixture, standard haze sheet, foot switch

Note: The specifications are subject to change without notice.



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