YH1100 Haze Meter

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(λ)2 degree visual response. The compensation method can be used to measure the light transmittance and haze with high precision and repeatability.

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,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(λ)2 degree visual response enables high precision and repeatable transmittance and haze 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 haze and light transmittance, which is suitable for quality monitoring and tabulated management of haze and light transmittance data in various industries. The management of users will be digitized at the PC end, the difference of haze and light transmittance will be compared, and the test report form will be generated to facilitate customer customization and management.

Application

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

Specification

Product Model	YH1100 Haze Meter
Optical Geometry	Transmittance : 0/D(Parallel light illumination, diffuse viewing);Conform to the standards: ASTM D1003/1044, ISO 14782,GB/T 2410, JJF 1303-2011,CIE 15.2,JIS K7105,JIS K7361,JIS K 7136
Characteristic	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
Spectrophotometric Mode	/
Sensor	The PD array detector, satisfies CIE V(λ)2 degree visual response
Wavelength Range	/
Wavelength Interval	/
Semiband Width	/
Measurement range	0~100%
Measuring Aperture	Φ20mm/Φ15mm/Φ8mm/Φ4mm(Select a single aperture)
Sample Size	Thickness ＜170mm
Color Space	/
Color Difference Formula	/

Other Colorimetric Index	Haze (ASTM D1003/1044), Transmittance T(ASTM)
Observer Angle	2°
Iluminant	PASS/FAIL Result
Measuring Time	About1.5s
Resolution	0.01unit
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
Iluminant Life Span	5 years, more than 3 million times measurements
Display	7-inch TFT color LCD, Capacitive Touch Screen
Data Port	Standard 1000 pcs, sample 20000 pcs
Language	Simplified Chinese, Traditional Chinese, English
Operating Environment	0~40℃（32~104°F）
Storage Environment	-20~50℃（-4~122°F）
Standard Accessory	Power Adapter, User Guide, Quality Management Software (download from the official website),USB cable,0% calibration box, measuring aperture.
Optional Accessory	Micro-printer, Test fixture, standard haze sheet, foot switch
Note:	The specifications are subject to change without notice.