GB1200 Haze Meter

Introduction

GB1200 haze meter can easily achieve ASTM D1003 non-compensation method, ISO 13468 compensation method, full light transmittance,haze test.Open sample bin can be vertically and horizontally tested to accommodate more samples to be tested.The GB1200 haze meter uses a PD 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. Standard

 Comply to ASTM D1003/1044,ISO 13468,ISO 14782,GB/T 2410,JJF 1303-2011,CIE 15.2,JIS K7105,JIS K7361,JIS K 7136 standard.

2. **Easy to operate, faster and more accurate measurement**

The GB1200 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.

3. Dynamic measurement

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

4. With compensation port, so that the measurement data more accurate

Meet ASTM D1003 non-compensation method, ISO 13468 compensation method, full light transmittance, fog test, provide more accurate test results.

5. Easy to measure and widely applicable to samples

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

6. 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.

Application

GB1200 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	GB1200 Haze Meter
Optical Geometry	Transmittance：0/D (Parallel light illumination, diffuse viewing); Conform to the

standards:	ASTM D1003/1044,ISO 13468,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,ISO13468),Transmittance T(ISO),Transmittance T(ASTM)
Observer Angle	2°
Illuminant	D65,A,C
Displayed Data	PASS/FAIL Result
Measuring Time	About1.5s
Resolution	0.01unit
Repeatability	Φ20mm,within 0.05 (After preheating and calibration of the instrument, standard deviation values of standard haze tablets with a test haze of about 30 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	290*211*511mm(Length *Width *Height)
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℃（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.