BioLAB

PRODUCT CATALOG

HAZE METER BMET-1205

CE ISO9001 CERTIFIED

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HAZE METER BMET-1205

BENCHTOP HAZEMETER

Haze meter can easily achieve ASTM D1003 noncompensation method, full light transmittance,haze test.Open sample bin can be vertically and horizontally tested to accommodate more samples to be tested.The 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.

Double standard ISO & ASTM:
Able to meet the test standard requirements of different users, in accordance with ASTM D1003/1044,GB/T 2410,JJF 13032011,CIE 15.2,JIS K7105,JIS K7361,JIS K 7136
Easy to operate, faster and more accurate measurement:
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 systems.
Dynamic measurement:
Independent light source detector and temperature sensor, constantly monitor light source and environmental change, ensure the reliability of test data.

SPECIFICATIONS

Model	BMET-1205
Features	Photoelectric integration, no compensation port
Optical Geometry	Transmission 0/D, Parallel light illumination, diffuse reflection reception
Standards compliant	ASTM D1003/1044, GB/T 2410, JJF 13032011, CIE 15.2, JIS K7105, JIS K7361, JIS K7136
Integrating Sphere Size	Φ154 mm
Illuminant (lamp)	400-700 nm Combined LED Lamp
Spectral mode	/
Sensor	PD array detector, meeting CIE V(λ) 2° visual response
Measurement Wavelength Range	/
Wavelength Pitch	/
SemiBandwidth	/
Measuring range of transmittance	0-100%
Measuring Aperture	Φ20 mm / Φ15 mm / Φ8 mm / Φ4 mm (select a single diameter)
Sample Thickness	Less than 170 mm
Color Space	/
Color Difference Formula	/
Other Colorimetric Data	Haze (ASTM D1003/1044), Transmittance T(ASTM)
Observer	2°
Illuminant (conditions)	D65, A, C
Displayed Data	Pass/Fail result
Measurement Time	about 1.5 s
Measurement Accuracy	0.1
Repeatability	Φ20 mm caliber, 0.1 (after the instrument is warmed up and corrected, the standard deviation value of the standard haze sheet with a haze of about 30 is tested at an interval of 5s)
Interinstrument agreement	Φ20 mm caliber, < 0.4 (after warmup/correction; SD of haze sheet ~30 tested at 5 s intervals)
Size (LxWxH)	290 x 211 x 511 mm
Weight	About 7.6 kg

Power / Battery	DC 24 V, 3 A Power Adapter
Lamp Life	5 years, >3,000,000 measurements
Display	7inch TFT Capacitive Touch Screen
Interface	USB, Printing Port
Data Storage	Standard: 1,000; Sample: 10,000
Language	Chinese, Traditional Chinese, English
Operating Environment	0-40 °C (32-104 °F)
Storage Environment	20-50 °C (4-122 °F)
Standard Accessories	Power adapter, manual, quality management software (download), data cable, 0% calibration box, measuring caliber
Optional Accessories	Mini printer, test fixture, standard haze film, foot switch
Alt Name	Benchtop HazeMeter

FEATURES

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Easy to operate, faster and more accurate measurement:
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 systems.
Dynamic measurement:
Independent light source detector and temperature sensor, constantly monitor light source and environmental change, ensure the reliability of test data.
Easy to measure and widely applicable to samples:
Open measuring area, vertical and horizontal testing, suitable for more samples to be tested.
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.

Compensation port:
The instrument can easily implement ASTM D1003 noncompensation method, ISO 13468 compensation method, total transmittance and haze test.

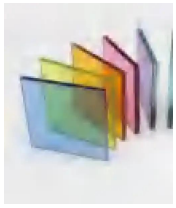
Multiple measurement methods:
The hardware configuration is high, the measurement area is open, and the vertical and horizontal tests can be performed.

Auxiliary measuring tool:
Foot switch can help you make measurements easier and faster

APPLICATIONS

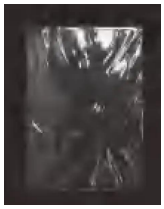
The color haze meter is widely used in glass processing, plastic processing, film, display processing, packaging industry, liquid chemical analysis, etc.

Protective Film



Glass

Liquid



Film

Transparent Plastic

Laboratory

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