HAZE METER BJH1L3 (BMET-1208)

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BENCHTOP COLOR HAZE METER

Color Haze Meter has full light transmittance, haze test, clarity test.With the precision concave grating and 256 pixel CMOS detector, it can accurately collect the transmittance curve of the transmitted sample, accurately output the various chromaticity data of the transmitted sample, and realize the high precision and repeatable measurement of the transmittance, haze and chromaticity data.

Multiple observation light sources:
The color haze meter provides CIE LAB,XYZ,Yxy,LCh,sRGB,βxy color space, as well as D65, A, C, D50, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, DLF, TL83, TL84, TPL5, U30 observation light sources, which can meet the special measurement needs under different measurement conditions.
Easy operation and faster and more accurate measurement:
The color Haze Meter is equipped with a largesize touch control screen, which is easy and convenient to operate. The 256 pixel dual array CMOS image sensor can realize high accuracy and repeatable transmittance and haze measurement. USB data output unit that interfaces with the laboratory system.
Compensation port to make the measurement data more accurate:
Meet the standard of ASTM D1003 noncompensation method, ISO 13468 compensation m

SPECIFICATIONS

Model	BJH1L3
Old Model	BMET-1208
Features	Photoelectric integration, with compensation port
Optical Geometry	Transmittance: 0/D (0° viewing angle, diffused illumination)
Standards Compliant	ASTM D1003/1044, ISO 13468, ISO 14782, GB/T 2410, JJF 13032011, CIE 15.2, JIS K7105, JIS K7361, JIS K7136
Integrating Sphere Size	Φ154 mm
Illuminant	400-700 nm Combined LED Lamp
Spectral Mode	/
Sensor	PD array detector, meeting CIE V(λ) 2-degree visual response
Measurement Wavelength Range	/
Wavelength Pitch	/
Semi-Bandwidth	/
Measuring Range of Transmittance	0-100%
Measuring Aperture	Φ20 mm / Φ15 mm / Φ8 mm / Φ4 mm (select a single diameter)
Sample Thickness	Less than 105 mm
Color Space	/
Color Difference Formula	/
Other Colorimetric Data	Haze (ASTM D1003/1044, ISO 13468), transmittance T(ISO), transmittance T(ASTM)
Observer	2° / 10°
Illuminants	D65, A, C
Displayed Data	Pass/fail result
Measurement Time	About 1.5 s
Measurement Accuracy	0.01
Repeatability	Φ20 mm aperture: 0.05 (after warm-up and corrected; SD of a ~30 haze standard sheet tested at 5 s interval)
Inter-Instrument Agreement	Φ20 mm aperture: < 0.4 (after warm-up and corrected; SD between haze standard film and reference value at 5 s interval)
Size (LxWxH)	487 x 260 x 298 mm

Weight	About 8 kg
Battery / Power	DC 24 V, 3 A power adapter
Lamp Life	5 years; >3,000,000 times measurements
Display	7-inch TFT capacitive touch screen
Interface	USB, Printing Port
Data Storage	Standard: 1,000; Sample: 20,000
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 from official website); data cable; 0% calibration box; measuring caliber
Optional Accessories	Mini printer; test fixture; standard haze film; foot switch
Alt Name	Benchtop Color Haze Meter

FEATURES

Multiple observation light sources:

The color haze meter provides CIE LAB,XYZ,Yxy,LCh,sRGB,βxy color space, as well as D65, A, C, D50, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, DLF, TL83, TL84, TPL5, U30 observation light sources, which can meet the special measurement needs under different measurement conditions.

Easy operation and faster and more accurate measurement:

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Compensation port to make the measurement data more accurate:

Meet the standard of ASTM D1003 noncompensation method, ISO 13468 compensation method, it can do full light transmittance, haze test, definition test, and provide more accurate test results

Dynamic measurement:

Independent light source detector and temperature sensor to monitor the light source and environmental changes at all times to ensure reliable test data

Convenient measurement and wide sample adaptation:

Open measurement area for vertical and horizontal testing to accommodate more samples under test

Quality management software:

It provides powerful software for measuring and analyzing haze, color and light transmittance, which is suitable for quality monitoring and tabulating management of haze, light transmittance and color data in various industries. Data the management of users on the PC computer, compare the haze, transmittance and color differences, generate test report forms, facilitate customer customization and management.

Compensation port:
The instrument can easily implement ASTM D1003 noncompensation method, ISO 13468 compensation method, total transmittance, haze test, and clarity 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:
A variety of measuring fixtures help you easily measure various samples.

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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