

HAZE METER MET102-700C



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The amount of light that is diffused or scattered through the transparent material is measure by the Haze meter.

MET102-700C HAZE METER

Double standard ISO & ASTM

Easy to operate, faster and more accurate measurement

Dynamic measurement

With compensation port, so that the measurement data more accurate

Easy to measure and widely applicable to samples

Quality control software



SPECIFICATIONS

Model	MET102-700C
Optical Geometry	Transmittance: 0/D (parallel illumination, diffuse reflection receiving)
Standards compliant	ASTM D1003/1044, ISO 13468, ISO 14782, GB/T 2410, JJF 1303-2011, CIE 15.2, GB/T 3978, ASTM E308, JIS K7105, JIS K7361, JIS K 7136
Integrating Sphere Size	Φ154mm
Illuminant	D65,A,C,D50,D55,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12,CWF,DLF,TL83,TL84,TPL5,U30
Spectral mode	Concave Grating
Sensor	256 Image Element Double Array CMOS Image Sensor
Measurement Wavelength range	400 ~ 700 nm (wavelength can be customized)
Wavelength Pitch	10 nm
Semi-bandwidth	10 nm
Measuring range of transmittance	0-100%
Measurement Aperture	Φ20 mm/Φ15 mm/Φ8 mm/Φ4 mm (select single aperture)
Sample thickness	less than 170 mm
color space	CIE LAB, XYZ, Yxy, LCh, s-RGB, βxy
Color Difference Formula	ΔEab, ΔE94, ΔEcmc (2:1), ΔEcmc (1:1), ΔE00
Other Colorimetric data	Haze (ASTM D1003/1044, ISO 13468), Transmittance T (ISO), Transmittance T (ASTM), WI (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D1925, ASTM 313), Absorbance, Cobalt Platinum Index, Gardner Index
Observer	2° / 10°
Displayed Data	Spectral graph, sample chromaticity value, color difference value/graph, chromaticity graph, color simulation, pass/fail result
Measurement Time	About 1.5s
Measurement accuracy	0.01

Repeatability	Φ20 mm caliber, less than 0.08 (after the instrument is warmed up and corrected, test the standard deviation value of the standard deviation value of the standard haze sheet with a haze of about 30 is tested at an interval of 5s)
Inter-instrument agreement	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.)
Operating Environment	0~40°C (32~104°F)
Storage Environment	-20~50°C (-4~122°F)
Battery Performance	DC 24V, 3A power adapter
Lamp life	5 years, more than 30000000 times measurement
Display	7 inch TFT capacity, Touchscreen display
Interface	USB, printing port, Bluetooth
Data Storage	5,000 samples, 20,000 samples
Language	Chinese, English, traditional Chinese
Standard Accessories	Power adapter, user manual, quality management software (download), USB cable, 0% calibration box, measuring aperture
Optional Accessory	Mini printer, Test Fixture, Standard Haze Sheet, Footswitch
Size	290x211x511 mm
Weight	About 7.6 kg

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