

# HAZE METER MET102-154C



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

## MET102-154C HAZE METER

- Double standard ISO & ASTM
- Multiple observation light sources
- Easy operation and faster and more accurate measurement
- Compensation port to make the measurement data more accurate
- Dynamic measurement
- Convenient measurement and wide sample adaptation
- Quality management software



## SPECIFICATIONS

Model	MET102-154C
Optical Geometry	Transmittance: 0/D ( 0-degree viewing angle diffuse illumination)
Standards compliant	ASTM D1003/1044,ISO 13468,ISO 14782,GB/T 2410, JF 1303-2011,CIE 15.2,GB/T 3978,ASTM E308,JIS K7105,JIS K7361,JIS K 7136
Integrating Sphere Size	Φ 154mm
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%
Measuring Aperture	Φ20 mm/Φ15 mm/Φ8 mm/Φ4 mm (select single diameter)
Sample thickness	Less than 150 mm
color space	CIE LAB,XYZ,Yxy,Lch,s-RGB,βxy
Color Difference Formula	$\Delta E^*_{ab}, \Delta E^*_{94}, \Delta E^*_{cmc}(2:1), \Delta E^*_{cmc}(1:1), \Delta E^*_{00}$
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 0.04 (after instrument is warmed up and corrected, the standard deviation of the haze standard haze film and the reference value is tested at an interval of 5s)
Inter-instrument agreement	Φ20 mm caliber, less than 0.4 (after instrument is warmed up and corrected, the standard deviation of the haze standard haze film and the reference value is tested at an interval of 5s)
Life lamp	5 years, more than 3000000 times measurements.
Display	7 inch TFT Capacitive Touch screen display
interface	USB, Printing port, Bluetooth
Data Storage	Standard 5,000 samples, 20,000 samples
Language	Chinese, English, Traditional Chinese
Operating Environment	0 to 40°C (32 to 104°F)
Storage Environment	-20-50°C (-4 - 122°F)
Battery Performance	DC 24V 3A ,power adapter
Standard Accessories	Power adapter, manual, quality management software (download from official website), data cable, 0% calibration box, measuring caliber
Optional Accessory	Mini printer, Test Fixture, Standard haze sheet, Foot switch
Size	487X260X298 mm
Weight	About 8kg

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