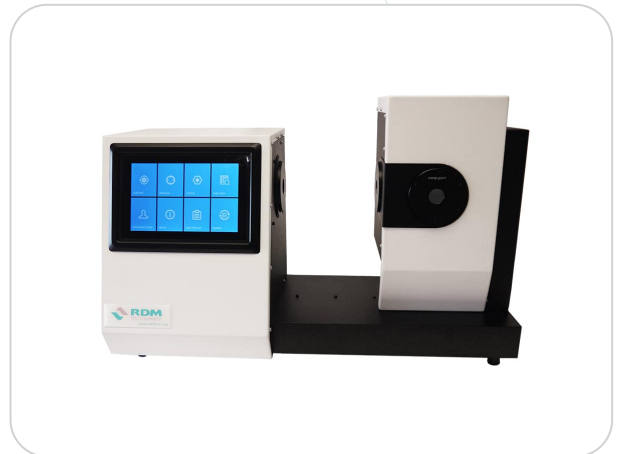# all4test

HTC-1003 HAZE, TRANSMITTANCE & CLARITY METER

HTC-1003 is designed for clarity, colour, haze, spectral transmittance and total transmittance measurement of transparent and translucent materials such as plastic sheets, films, glass, LCD panel and touch screen, etc.

The clarity and haze meter HTC-1003 can not only measure haze, transmittance, and transmission colour, but also provides professional clarity measurement function, suitable for applications in high-definition films, display glass and other fields.

HTC-1003 has comprehensive colour parameters, which can measure dozens of colour parameters such as Lab, yellowness index, whiteness index, Gardner, Pt-Co / APHA / Hazen colours. the instrument complies with both ASTM and ISO measurement standards. It can meet the following measurement standards ASTM D1003 / D1044, ISO13468 / ISO14782, JIS K7105, JIS K7361, JIS K7163 and other international standards.

EIGENSCHAFTEN

- Different measurement parameters and professional clarity measurement function.
- Comprehensive Transmission Colour Parameters
- Comply with ASTM and ISO Standards
- 24 kinds of illuminants for transmittance colour measurement.
- Compensation Measurement to Make Test Result More Accurate
- Haze QC software as Standard Accessory
- Seven-inch Android Touch Screen for Better Testing Experience
- Flexible fixtures for different sample measurement.

TECHNISCHE DATEN

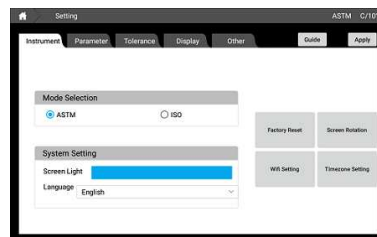|	
Power connection	230 V / 50 Hz
Compressed air connection	nein
PC connection	USB
Width / Diameter	
Depth	
Height	
Weight (net)	

Haze Meter HT-1003

This Haze Meter is designed for haze, colour, and transmittance measurement of transparent and translucent materials such as plastic sheets, films, glass, LCD panel and touch screen. The HT-1003 Haze Meter does not need to warm-up during a test, saving time.
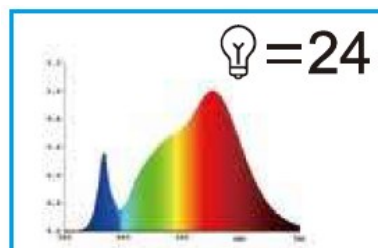

Features

1. Conforms to ASTM D 1003, ISO 13468, ISO 14782 GB/T 2410 standards.
2. There are 3 kinds of light sources A,C and D65 for haze measurement.

3. Cost effective product, lower cost than similar products
4. 24 kinds of illuminants for transmittance colour measurement

ASSURED QUALITY TESTING SOLUTIONS

Haze Meter HT-1003

5. Spectral haze measurement obtains more than 20 kinds of measurement data such as colour, haze, transmittance, yellowness and whiteness in one measurement

6. Unique signal processing technology to ensure measurement results will not be affected by environment light.

7. Flexible fixtures for different sample measurement
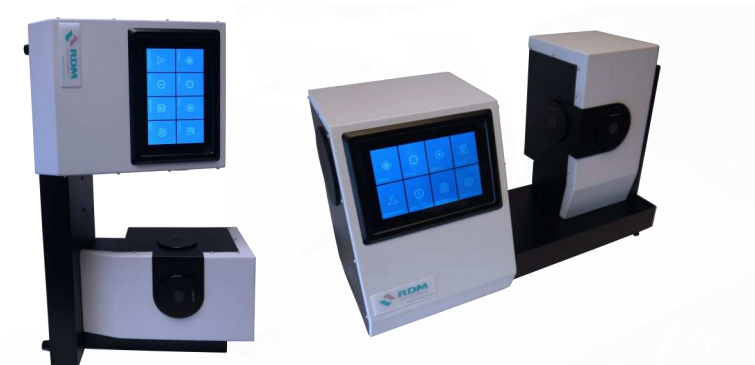

Liquid Measurement   Sheet Material Measurement

8. Free Haze QC Software

9. Open sample measurement area, sample can be measured horizontally or vertically.

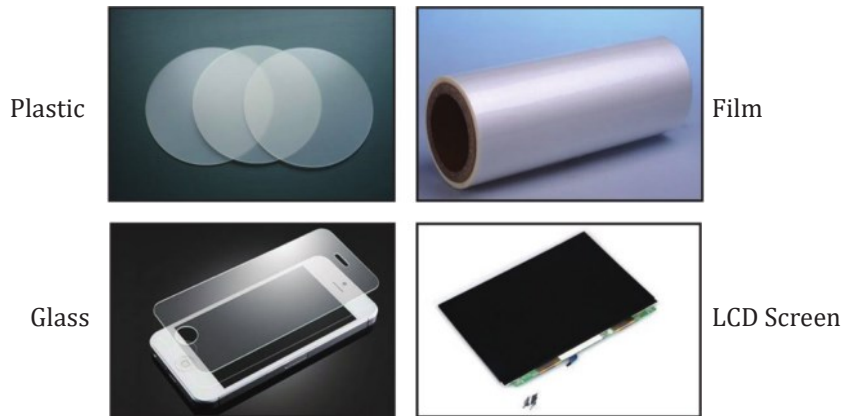10. No need to warm-up, after instrument is calibrated, it can be used.

ASSURED QUALITY
TESTING SOLUTIONS

Haze Meter HT-1003

Specifications

Model	Haze Meter HT-1003
Light Source	Haze / Transmittance: CIE-A, CIE-C, CIE-D65 Chromaticity index: A, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CMF, U30, DLF, NBF, TL83, TL84
Standards	ASTM D1003/D1044, ISO13468/ISO14782, JIS K 7105,JIS K 7361, JIS K 7136,GB/T 2410- 2008,
Parameters	HAZE, Transmittance Curve and Value(T),
Spectral Response	CIE Luminosity function Y/V (λ)
Wavelength	400-700nm
Wavelength Interval	10nm
Geometry	0/d
Illumination and Test Aperture Size	16.5mm/21mm
Measurement Range	0-100% (Haze, Transmittance)
Haze Resolution	0.01 Unit
Haze Repeatability	Haze <10%, Repeatability ≤0.05%; Haze ≥10%, Repeatability ≤0.1%; Transmittance Repeatability ≤0.1%
Sample Size	Thickness ≤145mm
Data Storage	20000 pcs of samples
Display	7 inch TFT LCD Screen, Android System
Interface	USB
Power	110-240V
Working Temperature	10~45°C, relative humidity 80% or below(at 35°C), no condensation
Storage Temperature	-25~55°C, relative humidity 80% or below(at 35°C), no condensation
Dimensions	598mm x 247mm x 366mm (L x W x H)
Weight	12kgs
Standard Accessory	PC Software (Haze QC)
Optional	Measuring Fixture, Haze Standards, Transmittance Standards, 5mm / 7mm / 10mm Apertures

ASSURED QUALITY
TESTING SOLUTIONS

Applications

Plastic

Film

Glass

LCD Screen

Technical Support

The HT-1003 Haze Meter comes with one year warranty.

Optional Accessories

Thin Film Holder

Test Aperture
(5mm, 7mm, 10mm)

Haze Standards Set
(1%, 5%, 10%, 20%, 30%)

Transmission Standards
(10%, 30%, 50%, 70%, 90%)

Holder for Sheet

ISO 9001
QUALITY MANAGEMENT

ASSURED QUALITY
TESTING SOLUTIONS