



Clarity & Haze Meter HTC-1003

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

Features

Different measurement parameters and professional clarity measurement function.

Comprehensive Transmission Colour Parameters

Comply with ASTM and ISO Standards

Different Light Sources for Different Measure

Compensation Measurement to Make Test Result More Accurate

Haze QC software as Stand- and Accessory

Seven-inch Android Touch Screen for Better Testing Experience

Open Sample Measurement Area, Sample can be Measured Horizontally or Vertically

Abundant Measurement Fixtures

Specification

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/I-SO14782, JIS K 7105, JIS K 7361, JIS K 7136, CIE No.15, ISO 7724/1, ASTM E1164, DIN 5033 Teil7, JIS Z8722 Condition C standard, GB/T 2410-2008

Parameters

HAZE, Transmittance Curve and Value(T), Clarity (C%), CIE Lab, LCh, CIE Luv, XYZ, Yxy, Transmittance Spectrum, Hunter Lab Munsell MI, CMYK, WI(ASTM E313-00, ASTM E313-73, CIE/ISO, Hunter, Taube Berger Stensby), YI (ASTM D1925, ASTM E313-00, ASTM E313-73), Tint (ASTM E313-00), Metamerism
IndexMilm, APHA, Pt-Co, Gardner, Colour difference (ΔE^*ab , ΔE^*CH , ΔE^*cmc (2:1), ΔE^*cmc (1:1), ΔE^*94 , ΔE^*00)

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 Resolution

0.01 Unit

Haze Repeatability

Haze <10%, Repeatability $\leq 0.05\%$; Haze $\geq 10\%$, Repeatability $\leq 0.1\%$; Transmittance Repeatability $\leq 0.1\%$

Sample Size

Thickness $\leq 145\text{mm}$

Data Storage

20,000 pcs of samples

Display

7 inch TFT LCD Screen, Android System

Interface

USB

Power

110-240V

Working Temperature

0~45°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, 40 * 10 Glass Cell



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