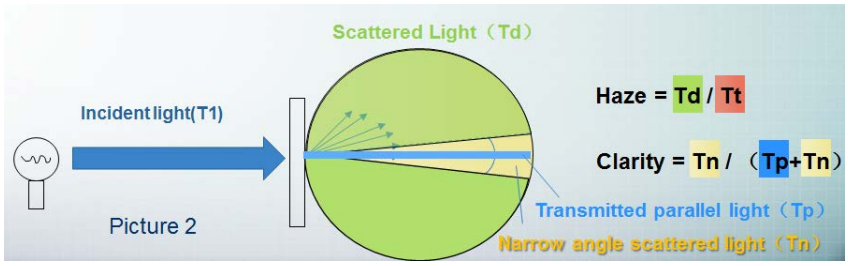
Clarity and Haze Meter CS-720 Introduction

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

Part 1.Instrument Introduction

1. Different measurement parameters and professional clarity measurement function

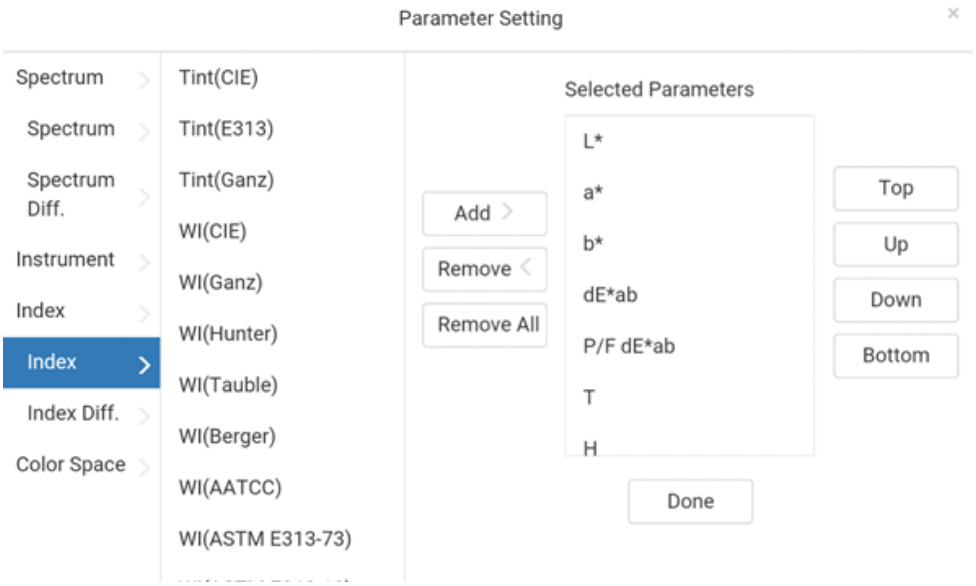
The clarity and haze meter CS-720 can not only measure haze, transmittance, and transmission color, but also provides professional clarity measurement function, suitable for applications in high-definition films, display glass and other fields.



Clarity Measurement Theory

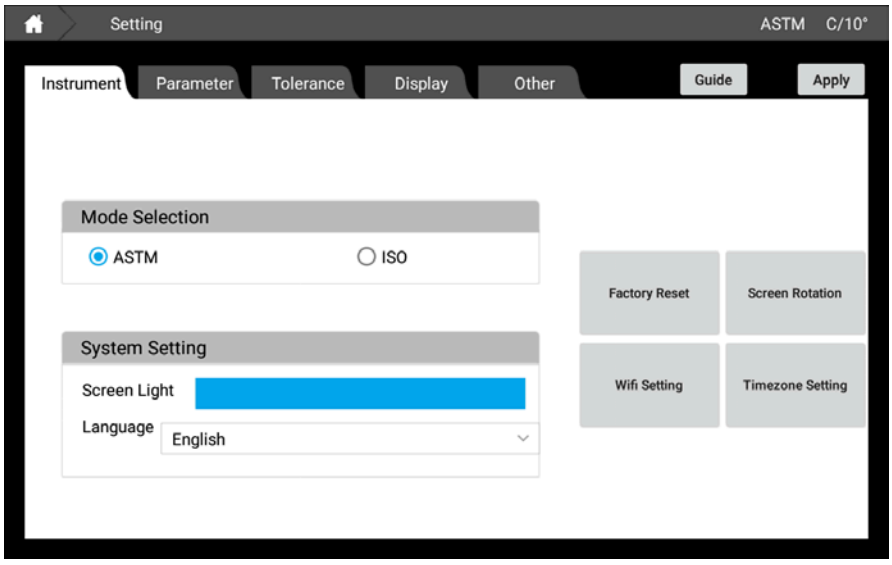
2. Comprehensive Transmission Color Parameters

Clarity and haze meter CS-720 has comprehensive color parameters, which can measure dozens of color parameters such as Lab, yellowness index, whiteness index, Gardner, Pt-Co / APHA / Hazen colors.



3. Comply with ASTM and ISO standards

The clarity and haze meter CS-720 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.

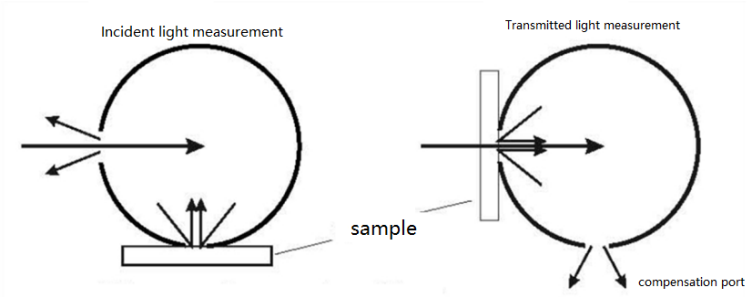


4. Different Light Sources for Different Measurement Requirements

Clarity and haze meter CS-720 provides A, C and D65 measurement light source selection, and 24 types of measurement light source for color measurement.

5. Compensation Measurement to Make Test Result More Accurate

It can realize the compensation measurement of transmittance and provide more accurate transmittance test results.

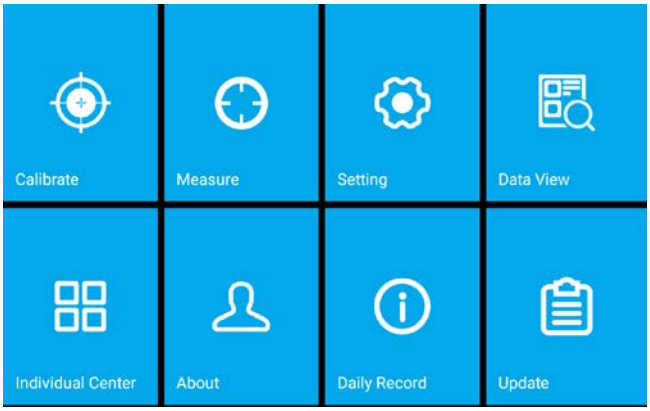


6. Haze QC software as Standard Accessory

Provide powerful haze, color, and transmittance measurement and analysis software, which can operate on a computer to generate and print test reports.

7. Seven-inch Android Touch Screen for Better Testing Experience

Android operate system and touch screen for more convenient operation and better user experience.



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

Open sample measurement area, which is no limit on sample size, you can perform horizontal or vertical measurement according to different samples.

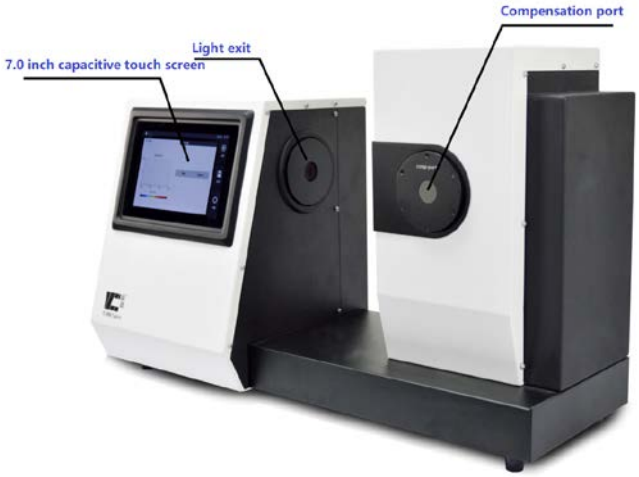
9. Abundant Measurement Fixtures

Meet the measurement needs of different forms of sheet and liquid samples

Soft and Tough Film Fixture

Liquid Fixture

Part 2.Instrument Pictures



Part 3.Technical Parameters

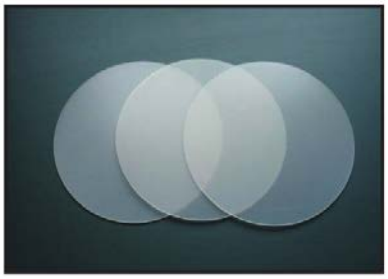
Model	Clarity and Haze Meter CS-720
Light source	Haze / Transmittance: CIE-A,CIE-C,CIE-D65 Chromaticity index: A, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CMF, U30, DLF, NBF, TL83, TL84
Standards	ASTM D1003/D1044,ISO13468/ISO14782,JIS K 7105,JIS K 7361,JIS K 7136,GB/T 2410-08,CIE No.15,ISO 7724/1,ASTM E1164,DIN 5033 Teil7,JIS Z8722 Condition c standard
Parameters	Haze (HAZE),Transmittance (T),Spectral transmittance, Clarity(C%), CIE Lab, LCh, CIE Luv, XYZ, Yxy, , Hunter Lab Munsell MI,CMYK, Whiteness WI(ASTM E313-00,ASTM E313-73, CIE/ISO, Hunter, Taube Berger Stensby), Yellow Index YI(ASTM D1925, ASTM E313-00, ASTM E313-73), Tint(ASTM E313-00), Heterochromatic index Milm, APHA, Pt-Co(Index of platinum cobalt), Gardner, Color difference (ΔE*ab,ΔE*CH,ΔE*uv,ΔE*cmc(2:1),ΔE*cmc(1:1),ΔE*94,ΔE*00)
Measuring Range	0-100% (Haze, transmittance, clarity)
Spectral Response	CIE The spectrum functionY/V(λ)
Wavelength Range	400-700nm
Wavelength Interval	10nm
Geometry	0/d
Illumination Area and Aperture	18mm/25.4mm
Resolution	0.01 unit
Repeatability	Haze＜10%, repeatability≤0.05%,Haze≥10, repeatability≤0.1%; Transmittance≤0.1%
Sample Size	thickness≤145mm
Display	7 Inches Touch Screen
Data Storage	20,000 values
Interface	USB
Power	110V / 220V / 240V
Working Temperature	5~40℃, Relative humidity 80% or below (at 35 ° C), no condensation

Storage Temperature	-20 ℃ ~ 45 ℃, relative humidity 80% or below (at 35 ℃), no condensation
Instrument Size	598mmX247mmX366mm (length X width X height)
Standard	PC management software (Color QC)
Optional	Measuring Fixture, Haze Standards, Transmittance Standards, 5mm / 7mm / 10mm Apertures, 40 * 10 Glass Cell

Part 4. Clarity and Haze Meter Packing List

Qty.	Name	Qty.	Name
1	Main Instrument	1	Power Adaptor
1	Operating Manual (u-disk)	1	USB Cable
1	PC Software (u-disk)	1	Verification Certification
1	Packing List	1	Warranty Card

Part 5.Clartiry and Haze Meter Application



▲ Plastic plates

▲ Thin film

▲ glass

▲ The LCD panel

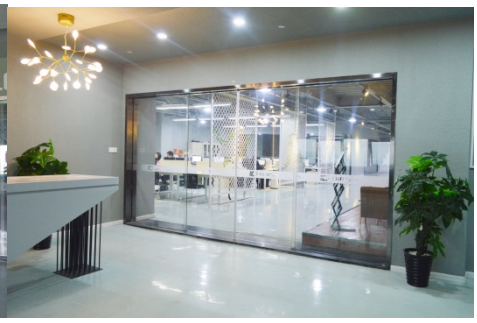
Part 6. Technical Support

1. One year warranty.

2. Every instrument comes with a third-party laboratory calibration certification.

Part 7. Company Introduction

1. Company Pictures



2. Instruments

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