



TIME TCS-110 Haze Meter



TIME TCS-110 Haze Meter adopts dual standards of both ISO & ASTM, a dual caliber (21mm/7mm) suitable for one-stop measurement solutions for haze. It also measures the transmittance of transparent and translucent materials such as plastics, films, glass, LCD panels and touch screens.

The TIME TCS-110 Haze Meter conforms to both ASTM and ISO international standards: ASTM D 1003, ISO 13468, ISO 14782, JIS K 7361 and JIS K 7136. The instrument has a 21mm test aperture.

Features

- Measures readings in 1.5 seconds
- Utilizes A, C and D65 Illuminants for the effective measurement of haze and total transmittance.
- 21mm test aperture for precise measuring.
- No limits on the sample size of measurement areas
- Horizontal and vertical measurement to measure different kinds of materials for increased versatility.
- Suitable for glass, plastic, film, display screen, packaging and other industries.
- The LED light source has a lifetime of up to 10 years.

Technical Specifications

Model	TCS-110
Illuminants	D65, A, C
Standards	ASTM D1003/D1044, ISO13468/ISO14782, GB/T 2410, JJF 1303-2011, CIE 15.2, GB/T 3978, ASTM E308, JIS K7105, JIS K7361, JIS K 7136
Test Parameter	ASTM and ISO (HAZE), Transmittance (T)
Test Aperture	21mm
Instrument Screen	5 inches Color LCD screen
Haze Repeatability	Standard Deviation: within 0.08 (when a haze standard with value 40 is measured 30 times at 5-second interval after calibration)
Transmittance Repeatability	≤0.1 unit
Geometry	Transmittance 0/D (0 degree illumination, diffused receiving)
Integrating Sphere Size	Φ154mm
Light Source	400~700nm full spectrum LED light source
Test Range	0-100%
Haze Resolution	0.01 unit
Transmittance Resolution	0.01 unit
Sample Size	No size limit
Data Storage	20,000 pcs of samples
Interface	USB
Power Supply	DC12V (110-240V)
Working Temperature	+10 - 40°C
Storage Temperature	0 - 50°C
Size	310mm x 215mm x 540mm
Weight	6kg



Packing List

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PC Management Software (Haze QC)

Accessories

Measuring Fixture

Haze Standard Plate

Customized Aperture
