



Features

The TH-1003-M conforms to both ASTM and ISO international standards ASTM D1003, ISO 13468, ISO 14782, JIS K 7361 and JIS K 7136.

Instrument come with a calibration certification.

No need to do warm-up, after instrument is calibrated, it is ready to use.

Measurement time is only 1.5 seconds.

Three kinds of illuminants A, C and D65 for haze and total transmittance measurement.

21mm & 7mm test apertures.

Open measurement area, no limit on sample size, It can realize both horizontal and vertical measurement to measure different kinds of materials such as sheets, film, liquid, etc.

Adopts LED light source whose lifetime can reach 10 years.



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Specifications

Illuminants

CIE-A, CIE-C, CIE-D65.

Standards

ASTM D1003/D1044, ISO13468/I-SO14782, GB/T 2410, JJF 1303-2011, CIE 15.2, GB/T 3978, ASTM E308, JIS K7105, JIS K7361, JIS K 7136.

Parameters

HAZE, Transmittance (T).

Instrument Screen

7 inch touch screen with Android Software.

Spectral Response

CIE Luminosity function Y/V (λ).

Geometry

Transmittance 0/D (0 degree illumination, diffused receiving).

Test Apertures

21mm and 7mm.

Measurement

Range 0-100.

Haze Resolution

0.01 unit.

Transmittance Resolution

0.01 unit.

Haze Repeatability

Φ21mm aperture, Standard Deviation: within 0.05 (when a haze standard with value 40 is measured 30 times at 5-second interval after calibration).

Transmittance Repeatability

≤0.1 unit.

Integrating Sphere Size

Φ154mm.

Light Source

400~700nm full spectrum LED light source.

Sample Size

Open space, no size limit.

Memory

Mass storage, unlimited.

Interface

USB.

Power

DC12V (110-240V).

Working Temperature

10-40 °C (+50 – 104 °F).

Storage Temperature

0-50 °C (+32 – 122 °F).

Size (LxWxH)

310mm X 215mm X 540mm.

Standard Accessory

PC software (Haze QC).

Optional

Fixtures, haze standards, custom made apertures.



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