

HANDHELD HAZE METER

FAST, ACCURATE, STABLE

Y
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4
0



· Fast measuring

· PD array detector

· Broad-spectrum light source

· Computer Connection

PRODUCT FEATURES

1. Versatile Measurement:

The open measurement area supports both vertical and horizontal measurements, accommodating a wide range of sample types and greatly enhancing measurement convenience and flexibility.



2. Simple Calibration Process:

Calibration is straightforward, requiring only 100% calibration, facilitating efficient measurement operations.



3. Four Measurement Apertures:

Equipped with four measurement apertures: $\Phi 20\text{mm}$, $\Phi 15\text{mm}$, $\Phi 8\text{mm}$, and $\Phi 4\text{mm}$, catering to diverse sample testing requirements.



4. High Accuracy and Stability:

The instrument boasts high precision with a resolution of 0.01 and excellent stability, with repeatability ≤ 0.02 .



5. Lightweight and Portable:

Designed based on ergonomic principles, the instrument features a compact and aesthetically pleasing design with added anti-slip silicone pads for comfortable handling. Suitable for both precise laboratory measurements and flexible applications in production environments.



6. Enhanced User Experience:

The tilted 3.5-inch large screen conforms to ergonomic principles, ensuring comfort during daily or continuous work and effectively preventing fatigue. The screen automatically rotates based on the instrument's orientation, providing users with an excellent operating experience.



PRODUCT FEATURES

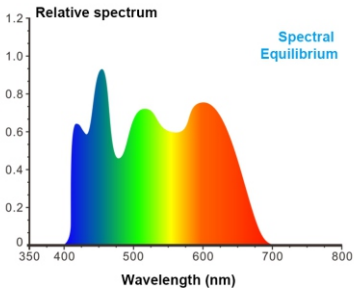
7. Dual Measurement Modes:
Switch between single measurement and average measurement modes as needed, meeting the diverse measurement requirements of different users.



8. Full-Spectrum Combined LED Illumination Source:
Utilizes a 400-700nm full-spectrum combined LED illumination source, meeting the haze and transmittance measurement requirements under CIE-D65, CIE-A, and CIE-C standard illumination sources.



9. Support for ASTM and ISO Measurements:
Supports ASTM and ISO dual-standard measurements, complying with standards such as ASTM D1003/1044, ISO 13468, ISO 14782, GB/T 2410, JJF 1303-2011, CIE 15.2, JIS K7105, JIS K7361, JIS K 7136, allowing easy testing of transparent and translucent materials such as plastics, glass, and coatings for full transmittance and haze.



10. PC-Based Quality Management Software:
Provides powerful haze and transmittance measurement analysis software suitable for quality monitoring and tabulated management of haze and transmittance data across various industries. Generates test reports based on user test results, facilitating customized and efficient management tasks.



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Our company has passed the ISO9001:2015 quality management system certification

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Comparison of Similar Products

We have analyzed and improved the pain points of similar products on the market, allowing customers to receive higher quality products.

When measuring liquid samples, a right angle is necessary to hold the colorimetric dish firmly

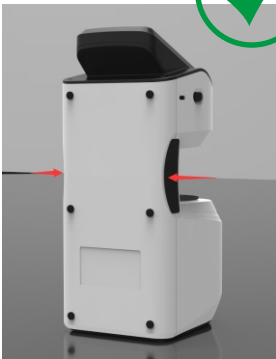


VS



The large curvature prevents stable placement of the colorimetric dish, and the sample cannot approach the measurement port, resulting in measurement deviation

Handheld position with reduced design, comfortable to hold and added anti slip pads



VS



The handheld position is too wide, making it difficult and slippery to hold and measure for a long time

The measurement key is more reasonable on one side of the display screen



VS



When measuring large samples, pressing the measurement button requires bypassing the large sample to see the display screen

The data transmission interface is on the side and can be connected to both vertical and horizontal measurements



VS



The interface is at the bottom and cannot be connected to a data cable during horizontal measurement, making it impossible to synchronize transmission to the computer



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Application industry

YH40 handheld haze meter

Intelligence
Simple operation



Transparent plastic processing



Packaging processing



Glass Process



Laboratory analysis



Film processing



Liquid analysis

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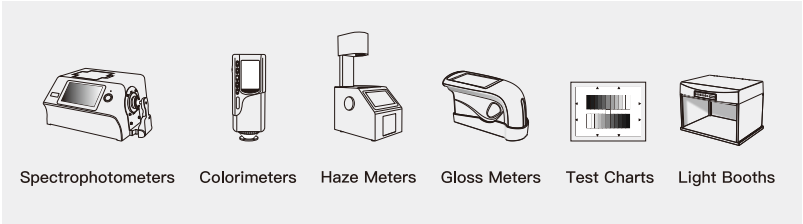
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TECHNICAL SPECIFICATIONS



Product model: YH40 haze meter
Lighting method: Transmission: 0/D (parallel light illumination, diffuse reflection reception);
Compliant with standards: ASTM D1003/1044,ISO 13468,ISO 14782,GB/T 2410,JJF 1303-2011,CIE 15.2,JIS K7105,JIS K7361,JIS K 7136
Features: The instrument can easily achieve ASTM D1003, full transmittance, and haze testing.
Open measurement area for vertical and horizontal testing.
It is widely used in industries such as glass processing, plastic processing, film, display screen processing, and packaging for transmittance and haze detection.
Integral sphere size: Φ 90mm
Lighting source: 400-700nm combined LED light source
Splitting method:/
Sensor: PD array detector, meeting CIE V (λ) 2 degree visual response
Measurement wavelength range:/
Wavelength interval:/
Half bandwidth:/
Transmittance measurement range: 0-100%
Measurement caliber: Φ20mm/Φ15mm/Φ8mm/Φ4mm
Sample size: Thickness less than 40mm
Color space:/
Color difference formula:/
Other chromaticity indicators: Haze (ASTM D1003/1044, ISO 13468), transmittance T (ISO), transmittance T (ASTM)
Observer angle: 2°
Observation light source: D65, A, C
Display: Qualified/Unqualified Results
Measurement time: approximately 1.5 seconds
Resolution: 0.01 units
Repeatability: 0.02 (Φ 20mm caliber, after preheating and calibration of the instrument, test the standard haze film with a haze of about 30 at intervals of 5 seconds for 30 standard deviations)
Inter station difference: 0.4 (Φ 20mm caliber, after instrument preheating correction, test the standard deviation between the haze standard haze sheet and the reference value at intervals of 5 seconds)
Dimensions: length x width x height=100X129X238mm
Weight: approximately 1.3kg
Power supply method: Built in 5000mAh lithium battery
Lighting source lifespan: 5 years, greater than 3 million measurements
Display screen: TFT true color 3.5inch, capacitive touch screen
Interface: USB, Bluetooth
Storage data: 1000 standard samples and 20000 samples
Language: Simplified Chinese, Traditional Chinese, English
Operating temperature range: 0-40℃ (32-104 ° F)
Storage temperature range: -20~50 °C (-4~122 ° F)
Standard attachments: power adapter, manual, quality management software (downloaded from official website), data cable, measurement caliber
Optional accessories: micro printer, testing fixture, standard haze film



The specifications and design may be changed without notice.

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