



PORTABLE HAZE METER TORONHAZE™

Portable Haze Meter ToronHaze™ TTH-Series is engineered for both convenience and precision in haze and transmittance testing. Its compact, easy-to-carry design features a high-accuracy display and reliable repeatability with dual optical paths. Offering versatile testing options with multiple apertures, these meters comply with ASTM, ISO, and JIS standards and include various light sources to meet different measurement requirements.



APPLICATIONS

Applications

- Mobile Phone Cover
- Film
- Glasses
- Screen

FEATURES

- Portable Size: The Portable Haze Meter ToronHaze™ TTH-Series is compact and easy to carry, making it convenient for testing haze and transmittance.
- High Accuracy: It has a display resolution of 0.01 with excellent repeatability of ≤ 0.02 .
- Reliable Repeatability:
 1. Performs regular self-checks while in standby mode.
 2. Features a dual optical paths design.
- Versatile Testing: The Portable Haze Meter TTH-13 model supports three test apertures (21mm, 15mm, 12mm) for various sample sizes.
- Standard Compliance: Conforms to ASTM D1003/1044, ISO 13468/14782, JIS K 7105, JIS K 7361, and JIS K 7136.
- Multiple Light Sources: Equipped with three types of light sources to measure haze and transmittance according to different standards.
- User-Friendly Interface: Features a 2.8-inch touchscreen for easy operation

Models: ToronHaze™ TTH-10, ToronHaze™ TTH-12, ToronHaze™ TTH-13

Standard Configuration:

- Instrument
- USB/Recharging Cable
- U Disk (QC software, manual)
- Qualified Certificate
- Warranty Card
- Calibration Certificate

Model - Specific Items:

- ToronHaze™ TTH-10: 1 test aperture
- ToronHaze™ TTH-12: 2 test apertures, Charging Head
- ToronHaze™ TTH-13: 3 test apertures, Charging Head, Black Carrying Case

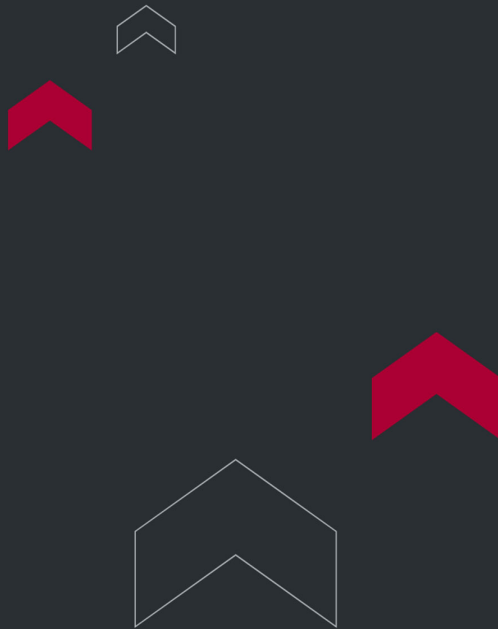
TECHNICAL SPECIFICATIONS

Model	ToronHaze™ TTH-10	ToronHaze™ TTH-12★	ToronHaze™ TTH-13
ASTM Haze/Transmittance	✓	✓	✓
ISO Haze/Transmittance	✗	✓	✓
Test Apertures	21mm	21mm, 15mm	21mm, 15mm, 12mm
Resolution	0.1%	0.01%	0.01%

Repeatability	0.1	0.05	0.02
Lithium Battery	✕	✓	✓
Weight	1.13kg	1.25kg	1.25kg

Technical Data			
Model	ToronHaze™ TTH-10	ToronHaze™ TTH-12	ToronHaze™ TTH-13
Light Source	CIE-A, CIE-C, CIE-D65	CIE-A, CIE-C, CIE-D65	CIE-A, CIE-C, CIE-D65
Standards	ASTM D1003/D1044, ISO 13468/ISO14782, JIS K 7105/JIS K 7361/JIS K 7136	ASTM D1003/D1044, ISO 13468/ISO14782, JIS K 7105/JIS K 7361/JIS K 7136	ASTM D1003/D1044, ISO 13468/ISO14782, JIS K 7105/JIS K 7361/JIS K 7136
Parameter	ASTM Haze/Transmittance	ASTM & ISO Haze/Transmittance	ASTM & ISO Haze/Transmittance
Spectral Response	CIE Spectrum Function Y/V(λ)	CIE Spectrum Function Y/V(λ)	CIE Spectrum Function Y/V(λ)
Geometry	0/d	0/d	0/d
Test Aperture	21mm	21mm, 15mm	21mm, 15mm, 12mm
Test Range	0-100%	0-100%	0-100%
Resolution	0.1%	0.01%	0.01%
Repeatability	0.1	0.05	0.02
Sample Size	Thickness ≤40mm	Thickness ≤40mm	Thickness ≤40mm
Display	2.8 inches touchscreen	2.8 inches touchscreen	2.8 inches touchscreen
Data Storage	Mass Storage	Mass Storage	Mass Storage
Interface	USB	USB	USB
Power	DC 5V/2A	Rechargeable Lithium Battery	Rechargeable Lithium Battery

Technical Data			
Working Temperature	5~40°C, Relative humidity 80% or below (at 35°C), no condensation	5~40°C, Relative humidity 80% or below (at 35°C), no condensation	5~40°C, Relative humidity 80% or below (at 35°C), no condensation
Storage Temperature	-20°C ~ 45°C, Relative humidity 80% or below (at 35°C), no condensation	-20°C ~ 45°C, Relative humidity 80% or below (at 35°C), no condensation	-20°C ~ 45°C, Relative humidity 80% or below (at 35°C), no condensation
Size	133mm x 99mm x 224mm (L x W x H)	133mm x 99mm x 224mm (L x W x H)	133mm x 99mm x 224mm (L x W x H)
Weight	1.13kg	1.25kg	1.25kg
Optional	Test Aperture with custom-made size	Test Aperture with custom-made size	Test Aperture with custom-made size
Optional Accessories: Haze meter cloth bag.			



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