

MURAKAMI COLOR RESEARCH LABORATORY
3-11-3 Kachidoki, Chuo-Ku, Tokyo, 104-0054 Japan
TEL: +81-3-3532-3011 FAX: +81-3-3532-2056

Haze meter

HM-150L2



The HM-150L2 is designed to measure total light transmittance, diffuse transmittance, and haze. It is ideally suited to make these measurements for light transmissible materials such as plastics, glass. Employing a double-beam system, highly accurate and repeatable transmittance and haze measurements can be realized.

Internal switchable filters tune the light source to the spectral characteristics of CIE standard photometric observer and CIE standard illuminant D65, but also the combination including CIE standard illuminant A. A personal computer is used for interface, calculation, and control. Several useful functions, such as average calculation, and output by printer are available. Vertical installation and horizontal sample set-up allows the operator to use the instrument easily and more effectively.

The HM-150L2 conforms to several national and international haze standards, including:

- ISO 14782 *Determination of haze for transparent materials*
- ISO 13468-1 *Determination of the total luminous transmittance of transparent materials*
- ASTM D1003 *Haze and Luminous Transmittance of Transparent Plastics* (D1003 is approximate)

HM-150L2

Specifications

Measuring object	Light transmissible materials such as plastics, films, glass and liquid
Sample size	Sheets and the like-50×50mm up to 400×400mm
Measuring Light flux	Incident Port: Dia.20mm, Light Flux: Dia.14mm
Resolution	0.1% in full scale
Measurement Item	Total light transmittance{Tt(τ)}, Diffuse transmittance {Td(τ)}, Haze(haze Value) and Parallel light transmittance {Tp(τ)}
Optical System	Conforms to ISO14782, JIS K7136 for haze measurement ISO13468-1, JIS K 7361 for Total Transmittance Approximating to ASTM D1003&JIS7105)

MURAKAMI COLOR RESEARCH LABORATORY
3-11-3 Kachidoki, Chuo-Ku, Tokyo, 104-0054 Japan
TEL: +81-3-3532-3011 FAX: +81-3-3532-2056

Light Source	Halogen Lamp with a mirror, 12 V/50W Lamp Life 2000 hrs. Nominal
Detector	Silicone photodiode
Integrating Sphere	Dia.150mm with BaSO4 coated internally.
Reading Accuracy	±0.1%
Computer Interface	RS-232C
Dimensions	L 420×W 300×H 560mm
Weight	Approximately 16 kg
Power Requirement	100V±10V AC, 50/60Hz
Power Consumption	Approx.150W
Accessory	Foot switch

In the USA, contact:
Avian Technologies LLC
116 Newport Road, The Carriage House
New London, New Hampshire 03257-0092
Tel: (01) 603-526-2420 Fax: (01) 603-526-2729
info@aviantechnologies.com