

Easy-to-operate Design.

Haze Meter HZ-V4

Measures the degree of haze (degree of transparency) of glass, plastic, liquid, etc.



This is an image. Appearance subject to change.

01

Easy-to-operate door opening

Height of door opening: 90mm
Check measurement position at a glance.

02

Measurement chamber is for large samples

Possible to measure the center of 270 × 170mm*
(Possible to protrude).

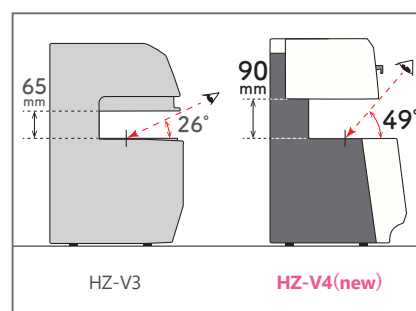
03

Easy-to-read, Convenient display

High visibility and operability.

Easy-to-operate door opening

The door of the sample chamber moves back and opens to a height of 90mm, allowing the measurement hole position to be seen in a natural position. The measurement light source turns on when the door is opened, allowing to check the measurement position at a glance when setting the specimen. Measurement can be started automatically when it detects that the door is closed.



Side view of door opening

Measurement chamber is for large samples

It is possible to measure the center of specimens up to W270mm x D170mm. Measurement is possible even if the sample protrudes from the sample chamber.

Easy-to-read, Convenient display

It is easier to see values and buttons. It is possible to check the status, such as the decrease in light intensity and the elapsed time since standard adjustment, from the icons at the top of the operation screen.



Sample chamber

Long-time-stability by TM Double beam

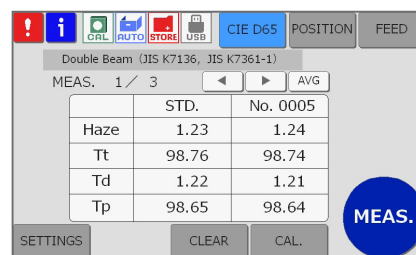
Stable measurements can be made for a long time without being affected by changes in light intensity. (The difference between the measured values after 1 hour is within ΔTt 0.1). The measurement results are consistent with ISO 14782 and JIS K 7136 compensated aperture methods.

TM type is the symbol of Suga Test Instruments' uniquely developed technology.

Data transfer software available as standard

Data transfer software for PC (compatible with Windows™ 11) is included as standard. Measurement data can be transferred to Microsoft Excel™. It is possible to transfer measurement data to USB memory stick and print the measurement data using a printer (optional).

*Windows™ and *Microsoft Excel™ are registered trademarks of Microsoft Corporation.



Display

Specification

	HZ-V4
Measuring items	Haze, Tt(Total luminous transmittance), Td(Diffuse luminous transmittance), Tp(Parallel luminous transmittance)
Measuring condition	CIE C, CIE D65(Either one can be changed to CIE A.)
Aperture diameter	φ 20mm(Light beam diameter: Approx. φ 14 mm)
Specimen dimensions (when using automatic measurement function)	Max. Approx. 270 × 170 × t 30mm(When using a sample stage Approx. 270 × 110 × t 25mm)
Light source	Halogen lamp 12V 20W
Stability	Within standard deviation of 0.02 ΔTt(Measuring 30 times without specimen continuously after standardization)
Power capacity	AC100 to 240V Approx. 200VA 50Hz/60Hz
External Dimension	Approx. W31 × D33 × H48cm (When placed vertically, excluding protrusions)
Wight	Approx. 18kg
Standards	ISO 13468-1, ISO 14782, JIS K 7136, JIS K 7361-1, JIS K 7105*1, JIS R 3212*2, ASTM D1003

*1: Withdrawn *2: Required light beam φ7mm with CIE A light source.

Options

- ◆Additional haze standard plate ◆Light beam dia. φ7mm selection ◆Foot switch ◆Hand switch ◆Liquid cell ◆Magnet type specimen holder for film
- ◆Suction type film specimen holder ◆Printer ◆Large specimen attachment ◆General calibration for haze plate ◆Calibration certificate



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