

TRANSPARENCY METER

haze-gard i

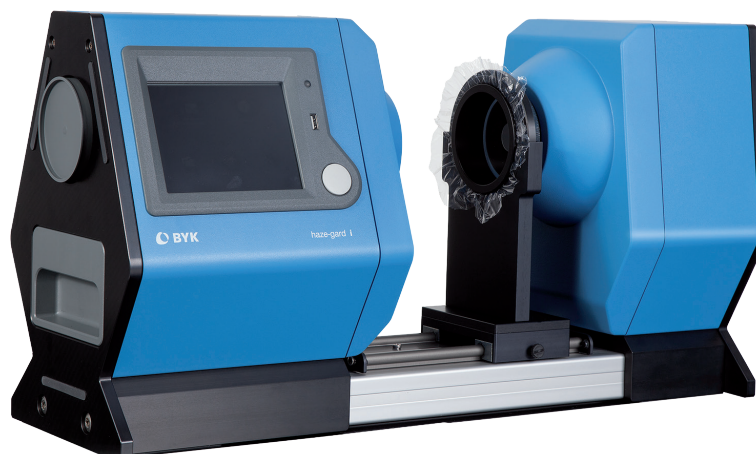
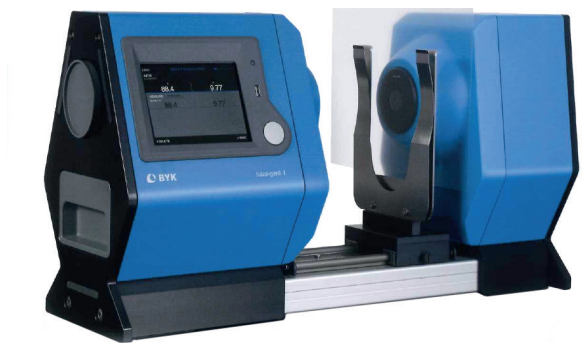
The objective standard for a clear view

Transparency of a product is influenced by the absorption and scattering behavior of the specimen. Visually transparency is described by two phenomena: Haze and Clarity.

The haze-gard i haze meter measures all transparency parameters in one instrument: total transmission, haze and clarity. Additionally, it simultaneously displays the results according to the ASTM and ISO standard test methods. The outstanding precision and reliability of the haze-gard i, as well as its ease of use, have made the haze meter the standard for transparency measurement in the glass, plastic, film and packaging industries.

Features / Equipment:

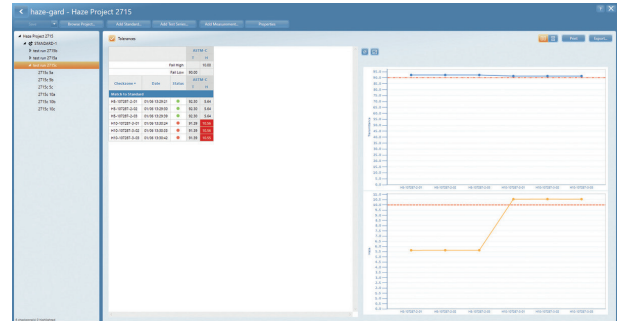
- Simultaneous measurement of haze and transmission according to
 - ASTM D1003 – illuminants C and A (non-compensated method)
 - ISO 13468 – illuminant D65 (compensation method)
- Open measurement compartment – quickly change and position small and large samples
- Reference beam, self-diagnosis and enclosed optics ensure precise and reliable readings - any time
- Automatic and long-term calibration allow easy and fast operation of the haze meter
- 10 year warranty on LED light source – long-term stable results for many years
- Versatile sample holders for films and sheets available
- Horizontal or vertical set-up - convenient sample handling for any application
- Foot switch for hands-free operation
- Large color touch display with symbols to select menu functions
- Complete statistics and colorful Pass/Fail analysis
- Direct data transfer via LAN, USB-port or via USB-stick
- Professional data documentation and analysis with smart-lab haze software



smart-lab haze Software

Features / Equipment:

- Product specifications are defined in standard management by setting up product groups with Pass/Fail limits
- Products can be measured online with instant display of QC reports: Data table with statistic and line graph including Pass/Fail coloring
- Data management in projects using trend reports to show production process stability
- Product specs and projects can be transferred to haze-gard i and vice versa



Standards:

ASTM D1003, D1044 / ISO 13468, ISO 14782



Technical data:

	haze-gard i
Characteristics	
Geometry	0°/diffuse
Measuring field [mm]	Ø 18
Sample port [mm]	Ø 25,4
Measuring range [nm]	0 - 100 %
Repeatability	± 0,1 units
Comparability	± 0,4 units
Illuminants	CIE-C, CIE-A (ASTM D1003), CIE-D65 (ISO 13468, ISO 14782)
Color Matching	CIE luminosity function y
Memory	5000 readings
Data Interface	LAN, USB 2.0, additional front USB-port for memory stick
Power supply	115/230 V, 1~ self adapting
Dimensions	
Width [cm]	62
Height [cm]	33
Depth [cm]	22
Weight [kg]	18