

## haze-gard plus

### THE OBJECTIVE STANDARD FOR A CLEAR VIEW

In accordance with ASTM D 1003, ASTM D 1044

Transparency is determined by material selection, process conditions and end use. Process fluctuations can greatly influence optical properties. Clear communication in R&D and Quality Control requires objective measurement methods instead of subjective visual assessments.



**haze-gard plus** is a laboratory instrument to objectively evaluate total appearance of transparent products. The optical properties of films and packaging material, clear and translucent specimens, and raw materials for paint and plastics can be differentiated by using the following measurement values: • Total transmittance • Haze • Clarity

**Principle:** 0° illumination, diffuse viewing geometry.

#### Fast and Simple Operation

- Open sample area for small and large specimens
- Automatic calibration and menu-guided operation
- Foot switch for handsfree operation
- No warm-up time
- High precision due to reference beam optics
- Long term calibration, self diagnosis
- Enclosed optics and electronics
- Built-in statistics
- Memory, interface for PC and printer
- Traceable standards
- Dialog in English, German, French, Italian and Spanish

# COLOR / GLOSS

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## Technical Data

Sample Port:	25.4 mm $\emptyset$	Statistic:	Mean, min., max., Standard deviation Coefficient of variance
Illuminated Area:	18.0 mm $\emptyset$		
Measurement Range:	0 - 100%		
Geometry:	0° / diffuse	Memory:	7 x 999 values
Spectral Response:	CIE luminosity function $\bar{y}$ under illuminant C	Interface:	Serial RS-232 two way communication
Repeatability:	$\pm 0.1$ units*	Dimensions:	360(H) x 670(W) x 240(D)mm
Reproducibility:	$\pm 0.4$ units* *standard deviation	Weight:	18 kg
		Power Supply:	115V/ 60 Hz (230V/ 50 Hz)
		Power:	200 VA max.
		Operating Temp:	+10°C to + 40°C
		Storage Temp:	0°C to + 50°C