

# haze-gloss

## The Reference Instrument for any Application

The hazemeter was designed for the needs in the laboratory. Gloss, haze and mirror reflection can all be measured with one instrument for low to high gloss surfaces.

- Gloss 20°, 60°, 85° and haze
- Mirror reflection for materials with very high reflection capabilities, such as metals
- Reference beam, closed optics and self diagnosis guarantee accurate quality control
- Statistics with average, min/max and standard deviation
- Large storage capacity and data transfer from the hazemeter to a PC prepare you for ISO 9000



## Quick Measurement of many Samples

- Foot switch and automatic measurement for fast sampling  
Illuminated target facilitates sample positioning
- Ready for measurement without warm-up time
- Long-term calibration and menu guided operation – simple and secure
- Operation in English, German, French, Spanish, and Italian – switchable

### Standards

<b>ISO</b>	2813, 13803
<b>ASTM</b>	D 523, D 2457, E 430
<b>DIN</b>	67530

### Ordering Information

Cat. No.	Description
<b>4601</b>	haze-gloss

#### Comes complete with:

Hazemeter  
High gloss and haze standard incl. certificate  
easy-link software  
Interface cable  
Foot switch  
Power cord  
Operating manual

**Extended Warranty:** see pages about Technical Service



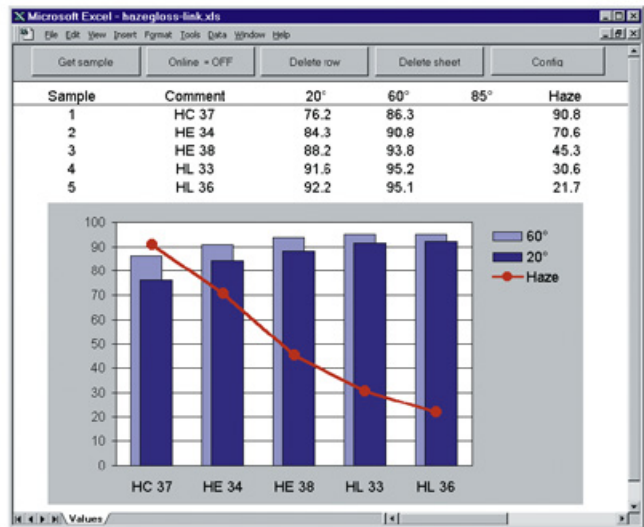
### Technical Specifications

<b>Gloss</b>	
<b>Measurement Range</b>	0 - 2000 GU <sup>1</sup>
<b>Repeatability</b>	0.2 GU <sup>2</sup>
<b>Reproducibility</b>	0.5 GU <sup>2</sup>
<b>Haze</b>	
<b>Measurement Range</b>	10 - 2500 HU <sup>3</sup>
<b>Repeatability</b>	1 HU*
<b>Reproducibility</b>	7 HU*
<b>Measuring Area</b>	20°: 15 x 15 mm (0.6 x 0.6 in) 60°: 15 x 27 mm (0.6 x 1.0 in) 85°: 8 x 60 mm (0.3 x 2.4 in)
<b>Memory</b>	9 x 600 values
<b>Interface</b>	serial RS 232
<b>Power Supply</b>	115 / 230 V, 50 / 60 Hz, requirement 50 VA
<b>Dimensions</b>	33 x 52 x 40 cm (13 x 20.5 x 15.7 in)
<b>Weight</b>	14.3 kg (31.5 lbs)

<sup>1</sup> Gloss Units, <sup>2</sup> 0 - 100 GU, <sup>3</sup> Haze Units (Hlog), \* measured on high gloss standard

## Documentation of Measurement Data

The program easy-link allows quick data transfer from the hazemeter to Excel® for further analysis and professional documentation.



### Ordering Information

Cat. No.	Description
4616	Checking standard 20°, for 4601
4617	Checking standard 60°, for 4601
4618	Checking standard 85°, for 4601
4624	Mirror Gloss Standard, for 4601
4614	High Gloss Standard haze-gloss
4615	Haze Standard haze-gloss
4623	Sample Table
4626	USB-cable haze-gloss
4545	BYKWARE easy-link

### Accessories

Black glass, semi gloss for checking purposes, certificate included
Black glass, semi gloss for checking purposes, certificate included
Black glass, semi gloss for checking purposes, certificate included
High gloss, polished mirror, for 20°, 60°, 85°, certificate included
Replacement calibration standard gloss, certificate included
Replacement calibration standard haze, certificate included
Larger platform for sample support table, 28 x 15 cm (11 x 6 in)
For data transfer from hazemeter to a PC
Software for direct data transfer and documentation in Excel®

**Certified**

Please refer to section Preventive Maintenance.

