

## The Reference Instrument for any Application

The haze-gloss was designed for the needs in the laboratory. Gloss, haze and mirror reflection can be all 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 to a PC prepare you for ISO 9000
- Traceable to BAM and DIN approved\*



\*approved by the BAM  
(Federal Institute of Material  
Research and Testing, Germany)



## Quick Measurement of many Samples

- Foot switch and automatic measurement allow 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

	Gloss	Haze
ASTM	D 523	E 430
DIN	67530	
DIN EN ISO	2813	
ISO		DIS 13803

## Ordering Information

Cat. No.	Description
E-4601	haze-gloss
EE-4601	Extended Warranty one year additional

### Comes complete with:

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

## Technical Specification

Gloss		
Measurement Range	Repeatability <sup>3</sup>	Reproducibility <sup>3</sup>
0 - 2000 GU <sup>1</sup>	0.2 GU	0.5 GU
Haze		
Measurement Range	Repeatability <sup>4</sup>	Reproducibility <sup>4</sup>
10 to 2500 HU <sup>2</sup>	1 HU	7 HU

<sup>1</sup>Gloss Units, <sup>2</sup>Haze Units (Hlog), <sup>3</sup>0-100 GU, <sup>4</sup>measured on high gloss standard

Measuring Area	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)
Memory	9 x 600 values	
Interface	serial RS 232	
Power Supply	115 / 230 V, 50 / 60 Hz, requirement 50 VA	
Dimensions	33 x 52 x 40 cm (13 x 20.5 x 15.7 in)	
Weight	14.3 kg (31.5 lbs)	

Documentation of Measurement Data

The program "easy-link" allows quick data transfer to Excel® for further analysis and professional documentation (for more information see page 20).



Ordering Information

Cat. No.	Description
E-4616	Checking Standard 20°
E-4617	Checking Standard 60°
E-4618	Checking Standard 85°
E-4624	Mirror Gloss Standard
E-4614	High Gloss Standard
E-4615	Haze Standard
E-4623	Sample Table
E-4613	Interface Cable
E-4545	BYKWARE easy-link

Accessories

- Black glass, semi gloss for checking purposes, certificate included
- Black glass, semi gloss for checking purposes, certificate included
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- 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, 11 x 6 in (28 x 15 cm)
- For data transfer to a PC, 9-pins
- Software for data transfer and documentation in Excel®



For Recertification  
and Calibration  
Services  
see page 170