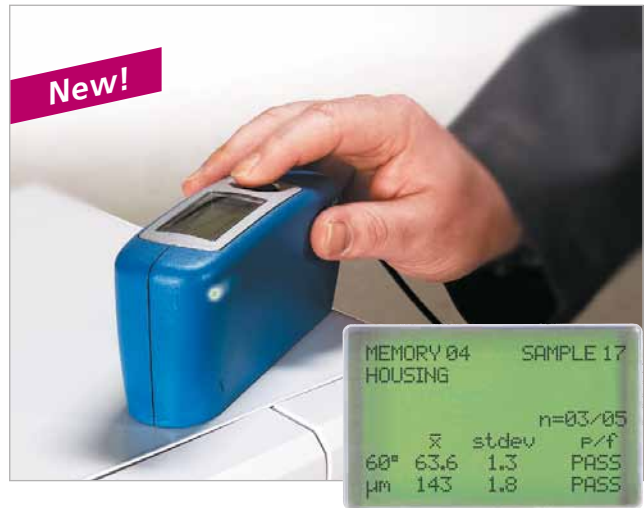


# micro-TRI-gloss $\mu$

## Gloss and Film Thickness in one Instrument

Gloss and film thickness are important QC criteria for coatings. The new micro-TRI-gloss  $\mu$  measures both in seconds and at the same position. This saves time and is ideal for checks in the field.

- Simultaneous display 20°, 60°, 85° – for high gloss to matte coatings
- Dual sensor Fe/NFe – measures thickness on steel as well as on aluminum
- Automatic check of glossmeter calibration standard
- Easy, multilingual menu operation with scroll wheel
- Statistics, Differences and Pass/Fail
- Memory for 999 readings with name input
- easy-link software included for professional documentation in Excel®
- Data transfer from the glossmeter to PC via USB or Bluetooth® wireless technology



### Standards

	Gloss	Thickness
<b>ISO</b>	2813	2178, 2360, 2808
<b>ASTM</b>	D 523	B 499, D 1400
<b>DIN</b>	67530	

### Technical Specifications

<b>Gloss</b>		
<b>Geometry</b>	Application	Measurement Area
<b>20°</b>	high gloss	10 x 10 mm (0.4 x 0.4 in)
<b>60°</b>	semi gloss	9 x 15 mm (0.35 x 0.6 in)
<b>85°</b>	low gloss	5 x 38 mm (0.2 x 1.5 in)
<b>Measurement Range</b>	0 – 100 GU	100 – 2000 GU
<b>Repeatability</b>	± 0.2 GU	± 0.2 %
<b>Reproducibility</b>	± 0.5 GU	± 0.5 %
<b>Thickness</b>		
<b>Substrate</b>	Fe: magnetic NFe: non magnetic	
<b>Measurement Range</b>	0 – 500 $\mu\text{m}$ (0 – 20 mils)	
<b>Accuracy</b>	± (1.5 $\mu\text{m}$ + 2% of measured value)	
<b>Dimensions</b>	155 x 73 x 48 mm (6.1 x 2.9 x 1.9 in)	
<b>Weight</b>	400 g (0.9 lbs)	

### Ordering Information

Cat. No.	Description
<b>AG-4448</b>	micro-TRI-gloss $\mu$
<b>SE-4448</b>	Extended Warranty one-year additional

#### Comes complete with:

micro-TRI-gloss  $\mu$  glossmeter  
 Calibration holder with certificate  
 Zero standards Fe and NFe  
 easy-link software  
 USB-cable  
 Operating manual  
 Battery  
 Durable carrying case

**Free** 1x preventive maintenance service during warranty period

### Ordering Information

Cat. No.	Description
<b>AG-4405</b>	USB-cable
<b>AG-4545</b>	BYKWARE easy-link
<b>AG-4449</b>	Calibration Holder
<b>AG-4434</b>	Checking Standard

### Accessories

For data transfer from the glossmeter to a PC, USB-A  
 Software for direct data transfer and documentation in Excel® (see page 26)  
 Replacement  
 High gloss and 3 Semi gloss tiles, 170 x 103 x 26 mm (6.7 x 4.1 x 1 in)

**Certified** For Certification Services and Preventive Maintenance see pages 267 - 270.

# Glossmeter Accessories

## Additional Standards

These 100 x 100 mm (4 x 4 in) glass tiles can be used for any glossmeter as a reference. If standards with specific values are needed, ask for Cat. No. AG-4057 or AG-4058.



### Ordering Information

Cat. No.	Description
AG-4050	High Gloss Standard
AG-4051	Semi Gloss Standard 20°
AG-4052	Semi Gloss Standard 60°
AG-4053	Semi Gloss Standard 85°
AG-4056	Mirror Gloss Standard
AG-4057	Special Standard Black
AG-4058	Special Standard Mirror

#### Comes complete with:

Standard  
Traceable certificate  
Protective case

### Technical Specifications

Black glass tile, polished, for 20°, 60°, 85°
Black glass tile, 20° value approx. 60 to 70 gloss units
Black glass tile, 60° value approx. 40 to 50 gloss units
Black glass tile, 85° value approx. 35 to 45 gloss units
High gloss, polished mirror, for 20°, 60°, 85°
Black glass tile, gloss value can be defined
Semi gloss, highly reflective, gloss value can be defined

**Certified** For Certification Services see page 267.