

Gloss

Gloss is one of the items for appearance measurement. Appearance measurement is a way of putting numbers to characteristics of surfaces that we see. The ability to independently quantify appearance allows for products to be similar whenever and wherever the product is manufactured or coated.

The ability of a surface to reflect light without scattering is known as Gloss. Gloss is measured by directing a constant power light beam at an angle to the test surface and then by monitoring the amount of reflected light. Different surface require different reflective angles. Amittari Glossmeters cover the range necessary to measure almost any surface from high gloss to matt.

Glossmeter

AG-106B/AG-126B/AG-1268B/AG-104/AG-107/AG-1247/AG-200/AG-2000

The glossmeter is an instrument for surface gloss measurement. It is suitable for gloss measurements of paint, baking varnish, coating, printing ink and other coating materials, stone, ceramic tile, section bar and other building decoration materials, paper, bamboo wood, plastic, film and other kinds of metallic and non-metallic materials.

The glossmeter have a variety of measurement angles. Generally, 20° applies to High Gloss Materials, 60° applies to Medium Gloss Materials, 85° applies to Low Gloss Materials. Two additional angles are used for other materials. An angle of 45° is specified for the measurement of ceramics, films, textiles and anodized aluminium, while 75° is specified for paper and printed materials.

- It is designed and manufactured in accordance with international standard ASTM D523, ASTM D1455, ASTM C346, ASTM C584, ASTM D2457, DIN EN ISO 2813, DIN 67530, EN ISO 7668, JIS Z 8741, MFT 30064, TAPPIT 480, GB 9754, GB/T 13891, GB 7706, GB 8807, JJG 696-2002, etc.

- Lithium ion rechargeable battery
- Backlight Display
- Buzzer Sound Reminder
- Low Battery Indicator
- Readings Memory, Readings Review
- Computer Connection
- Can store 254 groups of data
- Accurate measurement, automatic calibration, small in size, easy to use
- AG-200 & AG-2000 can display the gloss of 20°, 60°, 85° at the same time.



Specifications

Model	AG-106B	AG-126B	AG-1268B	AG-104	AG-107	AG-1247	AG-200	AG-2000
Measurement Angle	60°	20°/60°	20°/60°/85°	45°	75°	20°/45°/75°	20°/60°/85°	20°/60°/85°
Measurement Range	0.1~200GU						0.1~200GU	0.1~2000GU
Stability	±0.4GU/30Min						±0.4GU/30Min	
Data Memory	254 Groups						56 Groups	
Accuracy	±1.0 (against Reference Standard)						±1.0 (against Reference Standard)	
Resolution	0.1GU						0.1GU	
Repeatability	±0.5GU						±0.5GU	
Measuring Area	7x14mm Ellipse						7x14mm Ellipse	
Operation Temperature	0~40°C (32~104°F)						0~40°C (32~104°F)	
Operation Humidity	< 85%						< 85%	
Power Supply	Lithium Battery / 2 x 1.5V AAA Um-4 Battery						Lithium Battery	
Size	140 x 45 x 75mm (5.5 x 1.8 x 3.0")						140 x 45 x 75mm (5.5 x 1.8 x 3.0")	
Weight (Including Battery)	305g (10.76oz)						310g (10.93oz)	
Standard Accessories	Main Unit						Main Unit	
	Calibration Box						Calibration Box	
	Optic Cleaning Cloth						Optic Cleaning Cloth	
	Power Adapter (Only used when the lithium battery is applied)						Power Adapter	
	Carrying Case						Carrying Case	
	Operation Manual						Operation Manual	
Optional Accessories	USB Cable & Software (See Page 2)							
	Bluetooth Adapter & Software (See Page 2)							

Data Statistics Software

This powerful software provides the user with the means to analyze their test results. Through continuous inspection data statistic will help you to reduce re-work and scrap levels - increasing your profits and quality. With the computers and printers, the following functions can be realized:

- Data Management (Excel file output)
- Charting
- Printing



Data Transmission Methods

There are two ways to transmission measurement data:

- USB Data Cable wired output
- Bluetooth Adapter wireless output

By these two ways above, data transmission from the gauge to computer can be realized.

Among them, there are two optional Bluetooth adapters: 10 meter Bluetooth adapter and 100 meter Bluetooth adapter.

