Colour & Appearance Testing

cs@irisanalytical.com

+1 706 760 4500

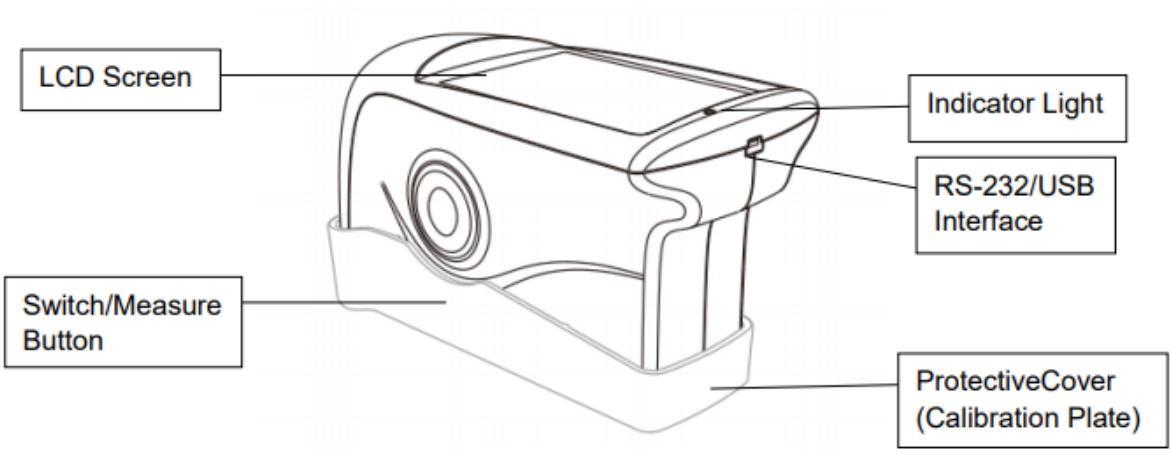
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Iris Gloss Meter used to measure specular reflection gloss of a surface for testing of paints, coating, plastics, ink, rubber, printing, paper, glass, hardware, ceramic, marbles. Convenient features including Li-ion battery, USB/RS-232, protective cover. The function can be selected according to user need. There are many functions that are important in selecting gloss meters such as high accuracy, excellent measurement modes, and USB or pc connector.

We provide highest accuracy, ease-of-use, and multiple functional gloss meters that are crucial for currently analysis of testing requirement. The gloss of a surface can be significantly inclined by different features, such as the softness accomplished during polishing, the amount and type of coating use and the enhance products quality. We design our products to gain maximum request or demand in market.



Selection of measurement angle:

The angle is selected based on the gloss range shown in below:

Gloss Range	60° Value	Notes
High Gloss	>70 GU	If the measurement exceeds 70 GU, change test setup to 20°
Medium Gloss	10 - 70 GU	-
Low Gloss	<10 GU	If the measurement is less than 10 GU, change test setup to 85°

Digital Gloss Meter IGM-2000 series

Digital Gloss Meter IGM-2000 series is a semi-gloss meter suitable for the glossiness measurement of architectural material gloss coatings, plastics, used to reflect images less distinctly and reduced intensity, light is scattered producing the reflected image to seem diffused. Design with three models. The 2 models with 60° and the other model have 20°/60°/85°. The 60º measuring angle can be used for any surface, from dull to shiny. To accomplish good gloss measurements on high gloss surfaces the 20° angle is offered, whereas for low gloss surfaces the 85° angle is best. The Digital Gloss Meter is a single measurement mode: Basic mode with storage capacity up to 1000. Ergonomics designed, small, lightweight, and robust. Certify by international standard ISO 2813, GB/T 9754, ASTM D 523, ASTM D 2457.



- With 3 measurement angle 20°/60°/85° to cover the coating application, Semi-gloss
- Concise appearance, feel good
- Display 3 sets of measurement data, good for comparison
- Built-in lithium-ion rechargeable battery
- Basic model measurement can meet basic glossiness testing requirements
- One button for all angles measurement at the same location
- Comply with international standards
- Stable performance, easy to read data

Accessories

- Power Adapter
- User manual,
- Calibration plate
- QC software
- USB cable

Optional Accessories

- Miniature printer

Model	IGM-2060	IGM-2060L	IGM-2080T
Measuring Angle	60°		20°/60°/85°
Range	0 to 200GU	0 to 300GU	20°:0 to 1000GU 60°:0 to 1000GU 85°?0 to 160GU
Resolution	1GU	0.1GU	
Measuring Mode	Basic mode		
Repeatability	±1GU	± 0.1GU/ ± 0.2GU/ ± 0.2%GU	
Calibration	Manual		
Display	3.5 inch TFT		
Operating Temperature	0 to 40?		
Storing Temperature	-20 to 50?		
Interface	USB/RS-232		
Batteries	3.7V,3200mAh Li-ion Battery		
Certifications	ISO 2813, GB/T 9754, ASTM D 523, ASTM D 2457		
Dimension	160x75x90mm		
Weight	3.5 kg		
Catalogue No.	3101005-04	3101010-04	3101015-04

Gloss Meter IGM-1000 Series

Gloss Meter IGM-1000 Series measures gloss units (GU) in manufacturing industries of painted, coated and shiny surfaces with single, and TRIO angle measurements typically 20° 60°and 85°reflective angles. The Gloss Meter has four measurement modes: Basic mode; Statistic mode; Continuous mode; QC mode. Certify by international standard ISO2813, ASTM523, GB/T9754. Compatible with the standards accessories user manual, calibration plate, QC software, and USB cable. Auto-calibration function



The function of different modes:

1. **Basic mode:** For a single measurement. The outcomes will be saved automatically. Data used as the standard in Statistic Mode. It can display 5 sets test data simultaneously.
2. **Statistic mode:** For multi measurement of sample.
3. **Continuous mode:** For measuring large area samples and evaluate the homogeneity of large-area samples.
4. **QC mode:** for quality analysis of the sample.

v 20° = high gloss coatings, plastics, brightened metal and similar materials

v 60 ° = medium (semi) gloss coatings, plastics, brightened metal and similar materials

v 85° = low gloss coatings, plastics, brightened metal and similar materials

- The four measurement mode: Basic mode; Statistic mode; Continuous mode; QC mode
- With 3 measurement angle 20°/60°/85° to cover the coating application
- Elegant Design combined with aesthetics and ergonomics
- With auto-calibration function
- Meet the second-grade requirements of JJG696
- Auto Power-off within optional 30-120 seconds
- Comply to ISO2813,ASTM523, GB/T9754
- Large storage to save over 35000 data

Accessories

- User manual
- Calibration plate
- QC software
- USB cable

Optional Accessories

- Miniature printer

Model	IGM-1060	IGM-1060L	IGM-1080T
Measuring Angle	60°		20° /60°/85°
Range	0 to 200 GU	0 to 1000 GU	20°: 0 to 2000 GU 60°: 0 to 1000 GU 85°: 0 to 160 GU
Resolution	1 GU	0.1GU	0.1GU
Measuring Mode	Basic	Basic mode; Statistic mode; Continuous mode; QC mode	
Repeatability	0 to 100 GU : ±0.5GU 100 to 2000 GU : ±0.5%GU	0 to 100GU : ±0.2 GU 100 to 2000 GU : ±0.2% GU	0 to 100GU : ±0.2GU; 100~2000GU : ±0.2%GU
Calibration	Auto-calibration		
Display	2.3 inch white and black screen		
Operating Temperature	0 to 40?		
Storing Temperature	-20 to 50?		
Interface	USB	USB	USB & Bluetooth 2.1 version
Batteries	1pc dry-cell battery		
Certifications	ISO2813,ASTM523, GB/T9754		
Dimension	160x52x84 mm		
Weight	~3 kg		
Catalogue No.	3100505-04	3100510-04	3100515-04

Low Gloss Meter IGM-3000 Series

Low Gloss Meter IGM-3000 Series build with touch screen display, easy to use, and easy to measure gloss of surfaces of materials, portable, and has a built-in lithium rechargeable battery. The low gloss meter is equipped with four measurement modes: basic measurement, statistical measurement, continuous measurement, QC measurement. It has 3 angles and measures the low gloss and semi-gloss simultaneously. Certify by international standard ISO 2813, GB/T 9754, ASTM D 523, ASTM D 2457.



The function of different modes:

1. **Basic mode:** For a single measurement. The outcomes will be saved automatically. Data used as the standard in Statistic Mode. It can display 5 sets test data simultaneously.
2. **Statistic mode:** For multi measurement of the sample.
3. **Continuous mode:** For measuring large area samples and evaluate the homogeneity of large-area samples.
4. **QC mode:** for quality analysis of the sample.

v 20° = high gloss coatings, plastics, brightened metal, and similar materials

v 60 ° = medium (semi) gloss coatings, plastics, brightened metal and similar materials

v 85° = low gloss coatings, plastics, brightened metal and similar mater

- With 3 measurement angle 20°/60°/85° to cover the coating application, semi-gloss
- Display 5 sets of measurement data, good for comparison
- Measuring mode: basic measurement, statistical measurement, continuous measurement, QC measurement (only for GQC6 software).
- Continuous mode to check uniformity over large areas
- Connect to PC, more extend functions
- Input gloss value manually
- Large touch screen operation, easy to use
- Beauty appearance, good man-machine communication interface
- Powerful functions to meet many different requirements
- Large storage to save over 5000 data
- Built-in lithium-ion rechargeable battery.

Accessories

- Power Adapter
- User manual,
- Calibration plate
- QC software
- USB cable

Optional Accessories

- Miniature printer

Model	IGM-3060	IGM-3060L	IGM-3080T
Measuring Angle	60°		20°/60°/85°
Range	0 to 1000GU	0 to 1000GU	20°: 0 to 2000GU 60°: 0 to 1000GU 85°: 0 to 160GU
Resolution	0.1GU		
Measuring Mode	Basic mode: 1000, Statistical Mode: 5000, Continuous mode : 5000		
Repeatability	± 0.1GU/± 0.2GU/ ± 0.2%GU		
Calibration	Manual		
Display	3.5-inch TFT		
Operating Temperature	0 to 40?		
Storing Temperature	-20 to 50?		
Interface	USB/RS-232		
Batteries	3.7V,3200mAh Li-ion Battery		
Certifications	ISO 2813, GB/T 9754, ASTM D 523, ASTM D 2457		
Dimension	160x75x90 mm		
Weight	3.5 kg		
Catalogue No.	3101505-04	3101510-04	3101515-04



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