



## Shenzhen Wave Optoelectronics Technology Co., Ltd

Professional Precise Portable Make Measurement Easier



[www.colorinstrument.cn](http://www.colorinstrument.cn)

### Tri-angle Gloss Meter WG68 (20/60/85°)



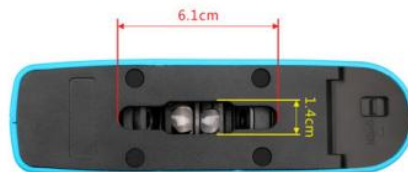
#### Introduction:

**WG68 gloss meter** is produced according to the national verification regulation of JJG696 standard, adopt long life light source, good repeatability, small volume, high precision and good stability. It is mainly used coatings, printing ink, paint, paint, wood, marble, granite, to change polishing brick, brick of pottery and porcelain, plastic, paper, metal and non-metallic materials to the surface of the mirror gloss measurement, more stable performance, more durable, more comfortable;



#### Measuring Area Application:

Big aperture **6.1\*1.4cm** is normally used on flat or wide arc surface samples.



20° for high gloss, more than 200Gu.

60° for normal gloss, from 10-200Gu.

85° for low gloss, less than 10Gu.



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### Advantages :

1. One button to complete triangle measurement: one operation can complete three angle measurement; Measuring light incident angle meet ISO 2813 three measuring light incident angle. Three incident angle of mirror gloss meter is 20 °, 60 °, 85 ° respectively;
2. Optional angle mode: choose measuring angle or angle combination according to user needs.
3. Manually entering standard samples gloss data;
4. Humanized design, good man-machine communication interface;
5. Three angle can store 50000 testing records, storage structure is: 100 prototypes, each prototype with 500 testing data;
6. Data browsing and viewing function;
7. The machine has automatic shutdown function, low power warning functions, full data storage hint functions;
8. USB communication interface to communicate with PC;
9. PC software can be extended more functions.

### Data Sheet

Model	WG68
Measurement Range	20°: 0-2000 60°: 0-1000 85°: 0-160
Application	paint, ink, stoving varnish, coating, wood products; Marble, granite, vitrified polished tile, pottery brick and porcelain; Plastic, printing, paper; Other metallic material.
Projection Angle	20° 60° 85°
Measuring Spot	20°: 10x10 60°: 9x15 85°: 5x38
Measuring Mode	Automatic/manual/single/ average and combination angle/Show maximum/minimum value
Standard Sample Setting	Manually setting/bring out stored data for setting/manually setting tolerance
Data Storage	50000 groups set standard sample in any stored data, user-define the tolerance range
Language	English
Output	Software to PC
Division Value	0.1Gu
Repeatability	0-100:0.2 > 100:0.2%
Reproducibility	0.2Gu
Indication Error	1.0Gu
International Standard 60°	ISO-2813/ASTM-C584/ASTM-D523/DIN-67530/ASTM-D2457/JND-A60/JND-P60/ISO7668
National Standard 60°	GB 9754/GB 9966/GB 8807 - GB/T 9754,GB/T 13891,GB/T 7706,GB/T 8807



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Working Temperature	10°C - 40°C
Storage Temperature	-10°C - 70°C
Humidity Range	Relative humidity less than 85%, without condensation
Volume	159x49x72mm
Weight	500g
Standard Accessories	Power adapter/User manual Warranty card/standard board/5V battery/USB cable /GlossW software (CD)

## GlossW Software

The screenshot shows the GlossW software interface. On the left, there is a metadata table:

DOCUMENT NO.	F-585146
COMPANY	SHENZHEN WAVE CO., LTD
DEPARTMENT	Quality control department
USER	Abel
PRODUCE NO.	R01467
PRODUCE NAME	Computer shell

The main area contains a data table with columns: NO., SEL., Name, 20°, 60°, 85°, Sort, 10° diff., 10° diff., 15° diff., Result. The data rows are as follows:

NO.	SEL.	Name	20°	60°	85°	Sort	10° diff.	10° diff.	15° diff.	Result
1	<input type="checkbox"/>	S001	-	14.7	-	Sample	-	-	-	-
2	<input type="checkbox"/>	S002	-	0.7	-	Sample	-	-	-	-
3	<input type="checkbox"/>	S003	-	99.6	-	Sample	-	-	-	-
4	<input type="checkbox"/>	S004	-	99.8	-	Sample	-	-	-	-
5	<input type="checkbox"/>	S005	-	100.7	-	Sample	-	-	-	-
6	<input type="checkbox"/>	S006	-	15.2	-	Sample	-	-	-	-
7	<input type="checkbox"/>	S007	-	0.5	-	Sample	-	-	-	-
8	<input type="checkbox"/>	S008	-	100.7	-	Sample	-	-	-	-

A 'Measurement' dialog box is open, showing 'Single measure' and 'Auto measure' options, with a 'Time interval(s): 1' and 'Start' button.

Below the dialog is a line graph with the x-axis numbered 1 to 8 and the y-axis ranging from 0 to 204. The graph shows data points for 20°, 60°, and 85° at each x-axis point. The 60° data points are significantly higher than the others, peaking at approximately 100.7 at x=5.

At the bottom of the window, a status bar reads: "The current communication port is COM7, the communication port was opened! Instrument model: WG69G"



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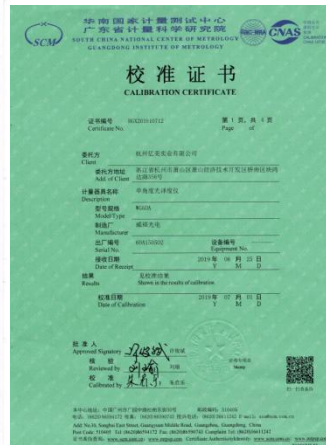


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Gloss Measuring Report									
File No.	2015.F3		Company name	Shenzhen Wave Optoelectronics					
Department	Engineer Dep.		Operator	Amber Wong					
Product No.	1		Product name	Glass Paper					
NO.	Name	20°	45°	60°	SPMT	SPMT	SPMT	Result	Date And Time
1	9001	-	5.8	-	Tot:10.0	Tot:10.0	Tot:10.0		2015-07-09 04:20:58
2	9002	-	15.1	-					2015-07-09 04:20:57
3	9003	-	0.0	-					2015-07-09 04:20:59
4	9004	-	21.0	-					2015-07-09 04:21:01
5	9005	-	21.2	-					2015-07-09 04:21:03
6	9006	-	102.0	-					2015-07-09 04:21:05
7	9007	-	102.0	-					2015-07-09 04:21:07
8	9008	-	102.0	-					2015-07-09 04:21:09
9	9009	-	5.9	-					2015-07-09 04:21:11
10	9010	-	4.0	-					2015-07-09 04:21:13
11	9011	-	4.0	-					2015-07-09 04:21:15
12	9012	-	4.0	-					2015-07-09 04:21:17
13	9013	-	17.5	-					2015-07-09 04:21:19
14	9014	-	11.9	-					2015-07-09 04:21:21
15	9015	-	10.6	-					2015-07-09 04:21:23
16	9016	-	0.8	-					2015-07-09 04:22:13

Youtube video link: <https://www.youtube.com/watch?v=MgphhQzCXOU>

## Certificates: CE/ROHS/CNAS



## About Us:

Shenzhen Wave Optoelectronics Technology Co., Ltd is a National high-tech enterprise . We are R&D manufacturer that mainly offers Spectrophotometer、Colorimeter、Gloss meter、Thickness meter etc. in Shenzhen ,China for 10 years. All series of products pass CE/ROHS/CNAS international approvals. If any enquiry on these products, we are ready to do support, thank you!

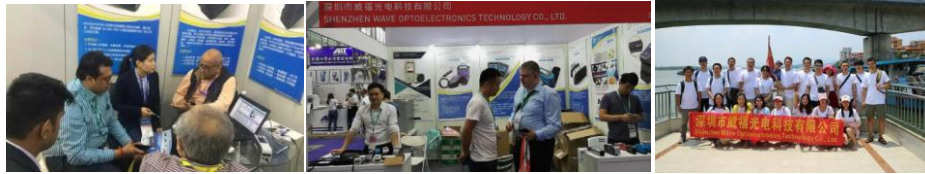


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