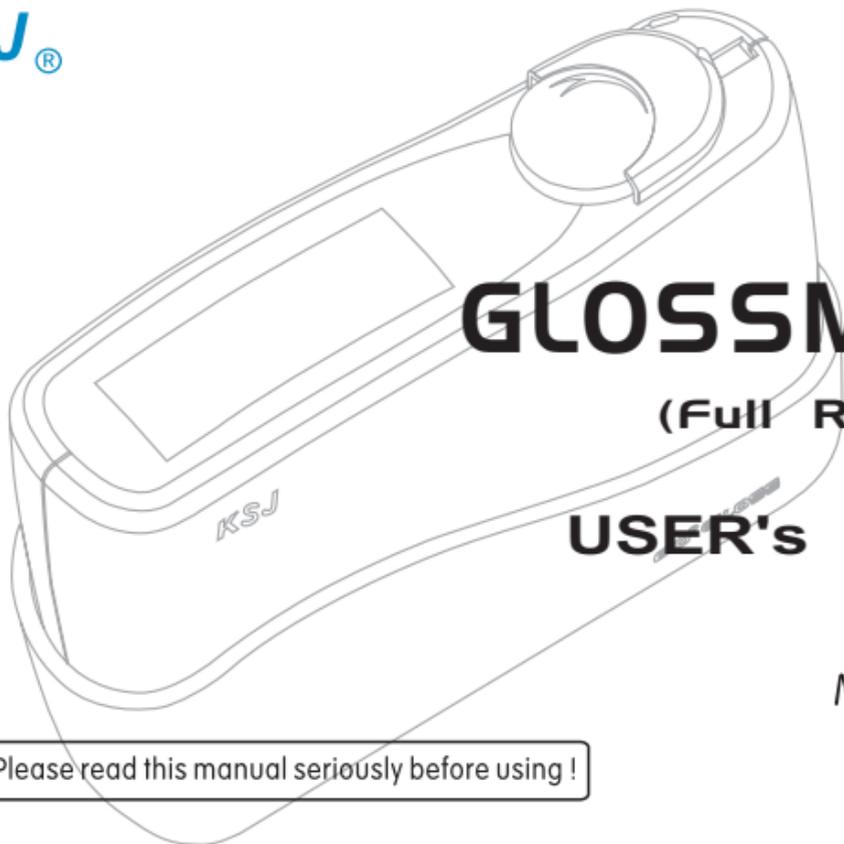


KSJ®



GLOSSMETER

(Full Range)

USER'S MANUAL

Model: MG6-SM

Please read this manual seriously before using !

Made in China

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Thanks for your choice to purchase MG6-SM

MG6 -SM is designed and manufactured according to ISO 2813 and GB/T 9754. It is also compatible with the standards of ASTM D2457, ASTM D523. The technical parameters conform with JJG 696-2002. Besides this its measuring range is extended fully to the whole range. The gloss values can be traced to the those of the National Primary Standards in SIMT in the P.R.China.

Applications:

The gloss measurements of every kinds of materials and objects including metals and nonmetals.

SPECIFICATIONS <A>

Specifications	Unit	MG6-SM	3 Digits
Reading Range	GU	0 ~ 999	
Measuring Range	GU	0 ~ 120	121 ~ 800
Resolution	GU	1	1
Deviation	GU	±2	± 1.5%
Zero-point Deviation	GU	1	
Stability	GU	1	
Measuring Area	mm	20 × 10	
Measurement Aperture		30 × 14	
Incidence Angle		60 °	

SPECIFICATIONS

Specifications	Unit	MG6-SM	3 Digits
Power Supply		One AA-size battery, 1.2V ~ 1.5V, Rechargeable or alkaline.	
Consumption		It's different to battery types. An alkaline battery may last the meter to work more than 58 hrs.	
Main Volume	mm ³	123 × 65 × 38	
Main Weight	g	300	

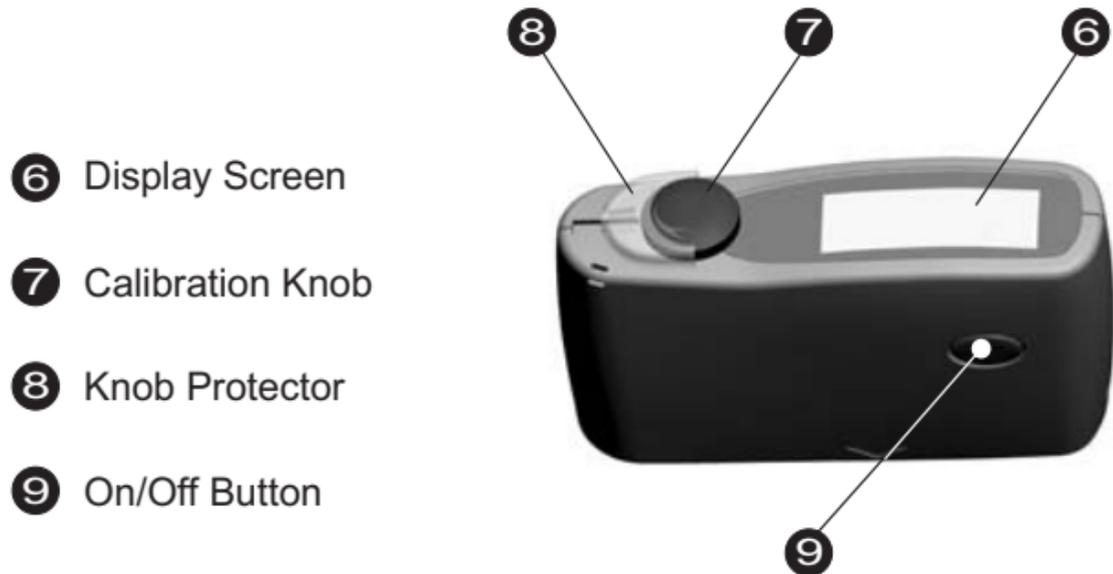
STRUCTURE <A>

◆ Front of Main Device



STRUCTURE

◆ Rear of Main Device



STRUCTURE <C>

◆ Holder With Calibration Tile

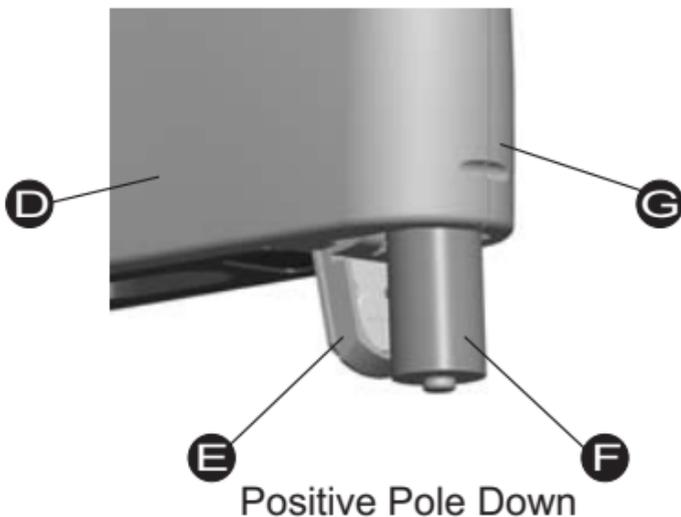


- A** Holder
- B** Calibration Tile (Working Standard)
- C** Gloss Value Label

STRUCTURE <D>

◆ Battery Assembly Diagram

- D** Front Cover
- E** Cabin Cover
- F** AA-size Battery
- G** Rear Cover



OPERATION

■ Power ON/OFF

Push On/Off Button to turn on the meter. To turn off just push it again.

■ Calibration

Turn on the meter and turn the Calibration Knob to adjust the reading to the correct value that is labeled in the holder.

☆ The main device must be located in the holder properly.

■ Measurement

Remove the holder and lay the Measuring Aperture just against the position that you want to measure. The gloss value will be shown on the Display Screen.

☆ For an accurate result it is necessary to recalibrate the meter during working.

OPERATION

■Checking

After calibration, set the Measurement Aperture on the Checking Tile (Black Working Standard). A deviation between the shown value and the labeled value should be less than or equal to 2 GU. If the deviation goes beyond this scope, it's shown that the certified gloss values of the working standards may be changed. Thus the gloss values should be certified again.

- ☆Check a meter only when it is used for a long period, or a result of measurement is doubtful. It is not necessary to be check for every time measuring.

OPERATION

■ Precautions

- ▲ When measuring, the lens in the Measurement Aperture, the surface of the Working Standards and samples should be kept clean. If the surfaces have dust, steam or filth, they must be cleaned lightly with lens paper or a soft cloth dipped in absolute ethanol.
- ▲ Calibrating, measuring and checking should be carried out at a same ambient temperature. Too big difference in temperature would bring about the numerical excursion.
- ▲ While measuring, keep environment light from directly irradiating into the Measurement Aperture.
- ▲ When the battery run out, a symbol of "bat" will appear on the Display Screen, replace the old battery with a new one at once.
- ▲ Please recalibrate a meter at regular intervals, e.g. 40 minutes .

MAINTENANCE

■ Maintenance

- ▲ The whole set of the meter should be kept in dry, ventilative and non-corrosive environment.
- ▲ If the meter is not in use, please put into the holder.
- ▲ Keep the surface of the working standards clean, both the Calibration Tile and the Checking Tile.
- ▲ Remove the battery to prevent corrosion for a long period store.
- ▲ After measurement, the meter should be turned off at once in order to save energy .
- ▲ Although the plastic parts of the meter are resistant to many solvents, you should use a soft cloth dipped water or ethanol for cleaning.
- ▲ For environment dispose the wasted batterys properly.

PACKING LIST

◆ Main Device	Model: MG6-SM	1 unit
◆ Holder with Calibrating Tile (Mirror Glass)		1 unit
◆ Checking Tile (Black Glass)		1 piece
◆ User Manual		1 piece
◆ Inspection Certification		1 piece
◆ Guarantee Card		1 piece

Limited Warranty and Technical Support

- ★The limited warranty period is one year commencing on the date of purchase. If your gloss meter needs service, carry it to the local reseller for repair.
- ★We provide spare parts anytime for customers.
- ★We also provide glossmeter customizing for a special application.

Note:

- ☆The meter should not be taken down at will in order to avoid precision destroying and causing maintaining difficulty.
- ☆If the breakdown is caused by taking-down or inappropriate use, we reserve the rights not to guarantee it free in repair.

NOTE FOR MAINTENANCE

Date	Description	Signature