

# REED

## Model R7700

### Gloss Meter



## Instruction Manual

[www.reedinstruments.com](http://www.reedinstruments.com)

**REED Instruments**

1-877-849-2127 | [info@reedinstruments.com](mailto:info@reedinstruments.com) | [www.reedinstruments.com](http://www.reedinstruments.com)

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## Safety

- The holder should be kept in a safe and clean place to prevent damage or pollution while the unit is being used.
- Keep the lens protected from bright light. If it's unavoidable use a light/tight cloth.
- When drastically changing the temperature environment of the unit allow the unit time to calibrate to the new environment.
- Recalibrate the unit if measurement last longer then an hour.

## Features

- Compact design allows for one-handed operation
- Multi-angle measurement (20/ 60/ 85°)
- Backlit LCD display
- Auto calibration
- Internal memory stores last 254 data points
- Built-in rechargeable battery
- Designed to meet ASTM D523, ASTM D1455, ASTM C584 and ASTM D2457 international standards
- Includes AC adapter, calibration standard, cleaning cloth and hard carrying case

## Applications

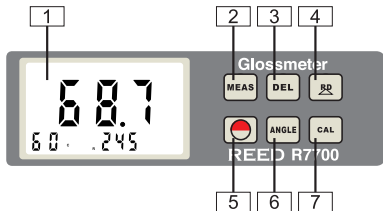
Floor maintenance, Surface quality assurance, Stone and tile manufacturing, Paint and ink manufacturing & Automobile paint inspection.

## Specifications

Measuring Range	0.1 to 200 GU
Measuring Geometry	20° / 60° / 85°
Accuracy	+/- 1.0 GU
Resolution	0.1 GU
Repeatability	+/- 0.5 GU
Measuring Area	7x14mm
Display	LCD
Backlit Display	Yes
Auto Shut-off	Yes (after 30 mins)
Low Battery Indicator	Yes
Power Supply	Rechargeable Lithium Battery
Internal Memory	Yes (up to 254 datapoints)
Product Certifications	CE / RoHS
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Operating Humidity Range	0-85%
Dimensions	5.5 x 1.8 x 3" (140 x 45 x 75 mm)
Weight	10.76oz (305g)

# Product Description

1. Display
2. Measurement Button
3. Delete Button
4. Read Button
5. Power Button
6. Angle Button
7. Calibration Button



# Operating Instructions

## *Power ON / OFF*

Hold the “POWER” Button to power on and off the unit.

## *Calibration*

Press the “ANGLE” button to select the right measuring geometry. Place the unit into the included calibration standard. Take measurements by pressing the “MEASUREMENT” button. Compare the measured value with the value marked on the standard label. If it matches the value on the tile holder, the instrument is within calibration and ready for use. If the measured value does not match the assigned value, press the “CALIBRATION” button. It is necessary to inspect the condition of the calibration tile and instrument optics before each use. Any dust or debris on the optic should be removed from the lenses using dry clean air, the lenses must not be touched. If there are any permanent marks or scratches on the lens, the unit is no longer suitable for measuring and should be returned to an authorized distributor. The calibration tile must be perfectly clean from smears and scratches before attempting calibration. Fingerprints and dust can be removed with the supplied optic cleaning cloth.

## *Measurement*

Place the measurement aperture against the material. Take measurements by pressing the “MEASUREMENT” button. The reading that displays within 2 seconds is the gloss value at that position. Each result is automatically logged in the memory. Find the center of measurement by the intersection of the arrows marked on the front and side of the instrument.

## *Data Logging*

All measurements are automatically stored internally. 254 groups of data can be stored. When memory becomes full it will automatically delete the oldest data entry.

## *Data Recall*

When in measuring mode (Marked by 'M' on the display) press the “READ” button to access logged data (Marked by 'R' on the display). Press the “READ” button cycle through the values forwards, press the “CALIBRATION” button to cycle through backwards. To get back to the measuring mode press any button other than “READ & CALIBRATION”.

## *Delete Data*

When in measuring mode (Marked by 'M' on the display) you can delete the most recently logged data by pressing the “DELETE” button. To clear the data in memory press the “DELETE” button for 3 seconds. The stored reading will be come 000.

## Charging Battery

When the battery is low a battery icon will appear on the display of the unit. The power adapter should be connected to the instruments and plugged into a power outlet. It can take up to 5 hours to be fully charged. The instrument can still be used while the battery is being charged.

For service on this or any other REED product or information on other REED products, contact REED Instruments at [info@reedinstruments.com](mailto:info@reedinstruments.com).

### Notes

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