Linshang LS195 Cost Effective Gloss Meter

Linshang LS195 Cost Effective Gloss Meter User Manual

Contents

Linshang LS195 Cost Effective Gloss Meter

Specifications

- **Measuring Angle:** Standard
- **Measuring Aperture:** 9mm*15mm
- **Minimum Test Material Size:** 20mm*10mm
- **Measuring Range:** 0-200GU
- **Resolution:** 0.1GU
- **Repeatability:** 0.1GU
- **Reproducibility:** Not specified
- **Zero Error:** 0.1GU
- **Indication Error:** Not specified
- **Weight:** About 237g
- **Power Supply:** Lithium rechargeable battery3.7V@650mAh
- **Display Language:** Simplified Chinese, English
- **Charge Port:** USB(Type-C)
- **Data Transmission:** USB
- **Working Temperature:** 10~45°C, 0~85%RH (no condensation)
- **Storage Temperature:** -10~60°C, 0~85%RH (no condensation)

Product Introduction

The instrument is a hand-held gloss meter for professional surface gloss tests on paint, coating, ink, plastic, paper, ceramic, stone, metal electroplating layers, etc. The instrument is easy to use, put, and measure, no need to press the button. In addition to the normal model, QC mode can be set for QC detection. It is also equipped with powerful PC software to be connected to a computer to measure and generate reports.
It conforms to the following standards: ISO2813, ISO7668, ASTM D523, ASTM D2457, DIN 67530, GB/T9754, GB/T13891, GB/T7706, GB/T8807. All indexes meet the requirements of JJG 696-2015 Verification Regulation of “Specular Gloss Meters and Gloss Plates” as the first class working meters.

Parameters

Measuring Angle	60°
Measuring Aperture	9mm*15mm
Minimum Test Material Size	20mm*10mm
Measuring Range	0-200GU
Resolution	0.1GU
Repeatability	0-100GU:±0.2GU; 100-1000GU:±0.2%
Reproducibility	0-100GU:±0.5GU; 100-1000GU:±0.5%
Zero Error	0.1GU
Indication Error	0-100GU:±1.5GU; 100-1000GU:±1.5%
Weight	About 237g
Power Supply	Lithium rechargeable battery 3.7V@650mAh
Display	240×128 Dot Matrix
Language	Simplified Chinese, English
Charge Port	USB(Type-C)
Data Transmission	USB

Working Temperature	10~45℃,0~85%RH (no condensation)
Storage Temperature	-10~60℃,0~85%RH (no condensation)

Features

1. Real-time and put-and-measure services.
2. Detect samples quickly with QC judging function.
3. The environmental temperature compensation function guarantees long-term calibration stability.
4. Support USB transmission and provide PC operating software, it can be on-line operated with a PC to generate test reports.
5. Designed with an emphasis on ergonomics, sleek style, and comfort grab feel.
6. Built-in rechargeable lithium battery, with ultra-low power consumption, it can work continuously for more than 32 hours under full charge.

Operation

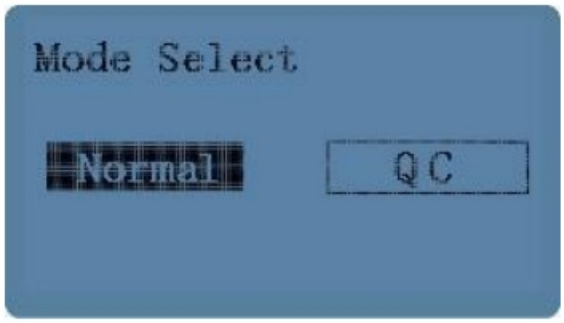
Turn on/off

- **Turn On:** In the power-off state, short press the power button to turn on the instrument.
- **Turn Off:** Long press the power button to turn off the instrument; the instrument will automatically power off with no operation over 30 minutes.

Parameter Setting
In the power-off state, long press the button for 3s to enter the parameter setting mode:

Language
Short press the button to select Chinese or English, long press the button for 3s to complete the setting, and enter the next setting item.

Mode Selection
Short press the button to select normal mode or QC mode, long press the button for 3s to complete the setting, exit the setting, and enter the calibration interface.



Calibration

If the meter gets powered on in the calibration holder, it will enter the calibration interface. The user can perform the calibration operation according to the prompts, the instrument will enter the measurement interface after the calibration. If it is not powered on in the calibration holder, it will skip the calibration and enter the measurement interface directly.

If it prompts that the calibration failed, the reasons may include:

- If the standard is not clean, please clean the standard with a special lens cloth before placing the meter into the calibration holder.
- If the meter is not clung to the calibration holder, please re-place it into the calibration holder.
- If there is a significant change in the ambient temperature, restart the device for measurement after the temperature of the instrument is close to the ambient temperature and it is confirmed that there is no condensation on the lens in the test port and the standard of the base
- If the light source cannot work normally due to attenuation, the device needs to be sent back to the factory for inspection and maintenance

When the instrument prompts “Calibration failed”, a long press of the button can skip the calibration.

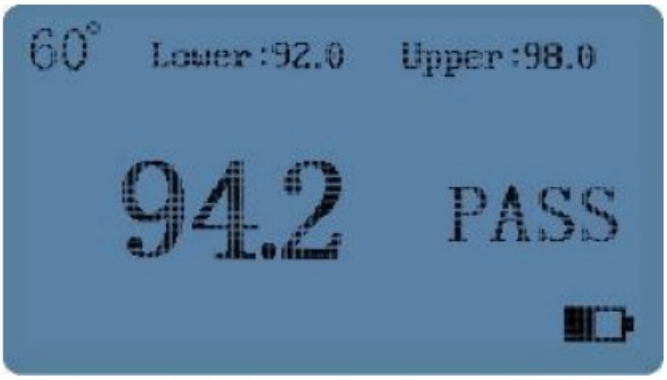
Measurement

Normal Mode
If the instrument is set to normal mode, remove the calibration holder after calibration, and place the measuring port on the surface of the object to measure, the instrument will display the measured value instantly. Short pressing the button, the lower left corner of the interface displays the “HOLD” symbol, and the measurement data

is held on the display. To measure again, press the button to cancel the “HOLD” state and return to the “Measuring” state.

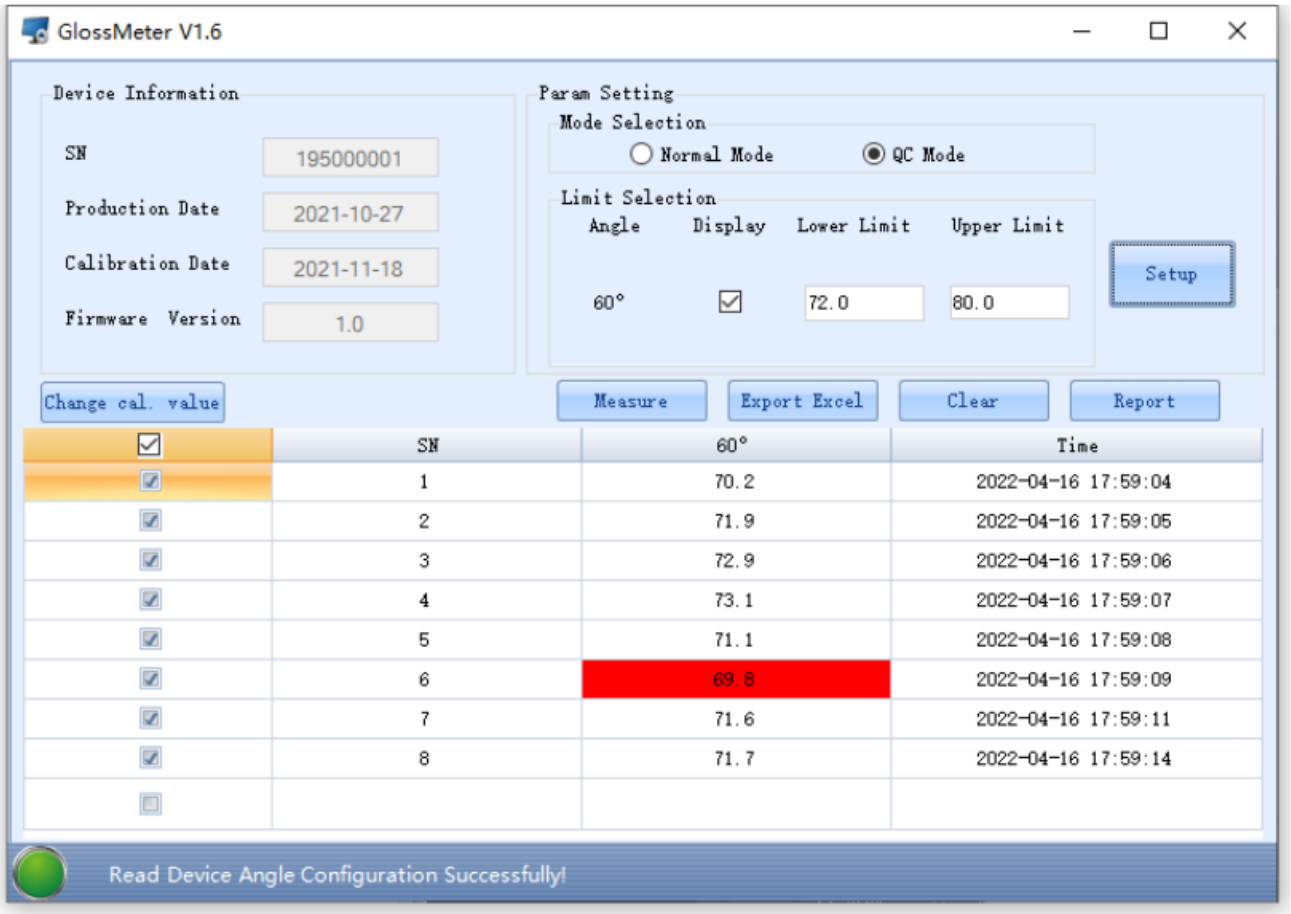
QC Mode

If the instrument is set to QC mode, remove the calibration holder after calibration, place the measuring port of the instrument on the surface of the object to measure, and short press the button to measure, the instrument will judge whether the measured value is qualified. The upper and lower limits could be set by PC software. For specific operations, please refer to the “Gloss Meter Software Operation Manual”.



PC Software

Connect the instrument to PC software via a USB cable to perform functions of online measurement, change calibration values, parameter setting, test report generation, and printing. For specific operations, please refer to the “Gloss Meter Software Operation Manual”.



Precautions

1. The temperature compensation function guarantees long-term calibration stability, it is recommended to calibrate once a week. If the environmental temperature changes significantly, please recalibrate it.
2. The measuring port of the instrument shall be attached to the surface of the object to avoid leakage of external light.
3. Please save the calibration holder in a clean place after the meter is removed, to prevent the standard from contamination.
4. Do not insert any object into the instrument for any reason, as it will damage it and influence the measuring accuracy as well as operation safety.
5. The instrument and calibration standard should be cleaned before storage and usage, and please use a clean special lens cloth to remove contaminants. As the surface of the standard is very precise, make sure there are no fine particles on the lens cloth to avoid damage to the standard.
6. If there are multiple meters, put the meter on the calibration holder corresponding to the serial number of the meter for calibration.
7. When the battery of the instrument is out of power, it should be charged in time.
8. If the meter has not used for over half a year, please charge it to avoid the battery from being excessively discharged and damaged.
9. The recommended calibration period is once a year and the factory provides calibration services.

Packing List

No.	Description	Quantity	Unit
1	Gloss Meter	1	Set
2	USB Data Cable	1	pcs
3	Special Lens Cloth	1	pcs
4	User Manual	1	pcs
5	Calibration Report	1	pcs
6	Certificate / Warranty Card	1	pcs

Service

- The instrument has a one-year warranty. If it works abnormally, please send the whole instrument to our company for maintenance.
- Provide users with spare parts and lifelong maintenance services.
- Provide the users with the gauge calibration service.
- Provide long-term free technical support.

MORE INFORMATION

- **Manufacturer:** Shenzhen Linshang Technology Co., Ltd.
- **Website:** www.linshangtech.com
- **Service hotline:** +86-755-86263411
- **Email:** sales21@linshangtech.com

Frequently Asked Questions

- **Q: How do I charge the gloss meter?**
  - A: The gloss meter can be charged using the provided USB(Type-C) cable connected to a power source or computer.
- **Q: How long does the battery last on a full charge?**
  - A: The built-in rechargeable lithium battery can work continuously for more than 32 hours under full charge.

Documents / Resources

	Linshang LS195 Cost Effective Gloss Meter [pdf] User Manual LS195 Cost Effective Gloss Meter, LS195, Cost Effective Gloss Meter, Effective Gloss Meter, Gloss Meter, Meter

References

- Transmission Meter | UV Light Meter | Coating Thickness Gauge - Linshang
- User Manual