Gloss Meter

Software Operation Manual V1.4

Please read this manual carefully

1. Introduction of GlossMeter Software

GlossMeter is the support software for Gloss Meter that realizes parameter setting, online measurement, data export in EXCEL format, report generation, etc.

The device is equipped with a USB Type-C communication interface. Connect the device with a computer by a USB cable, and run GlossMeter, and you can begin the online operation.

Particularly, the software has functions of report generation and printing. The software can automatically generate and print reports of measurement data. If a PDF printer is installed on your computer, you can print an electronic version of the report in PDF format. So it is convenient to record and store measurement data.

You don't have to manually install the USB driver. Just connect the device with the computer, and you can realize online operation (when you connect the device with the computer for the first time, an alert will ask you to restart the computer to automatically load the driver). Currently the software supports Windows. Computer hardware configuration recommended 6th Generation Intel® Core™ i3 Processors, RAM greater than 4G.

■ Software Installation

This software does not require installation. You can start the software by opening the EXE file. If you want to copy the software, you need to copy the entire folder.

■ Hardware Connection

Connect the device and computer by plugging the cable into the USB interfaces thereof respectively. After connection, a USB icon appears at the upper right corner on the device display.
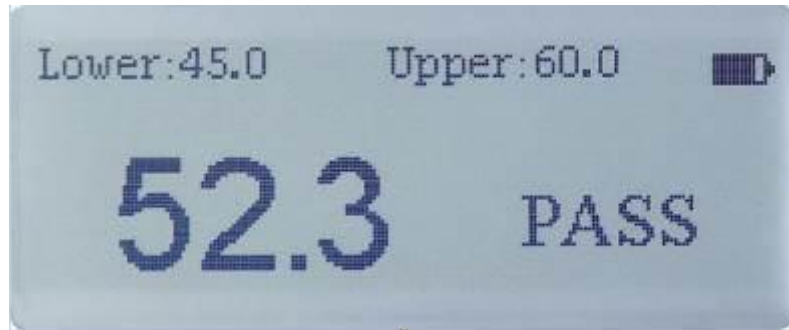
2. Software Interface
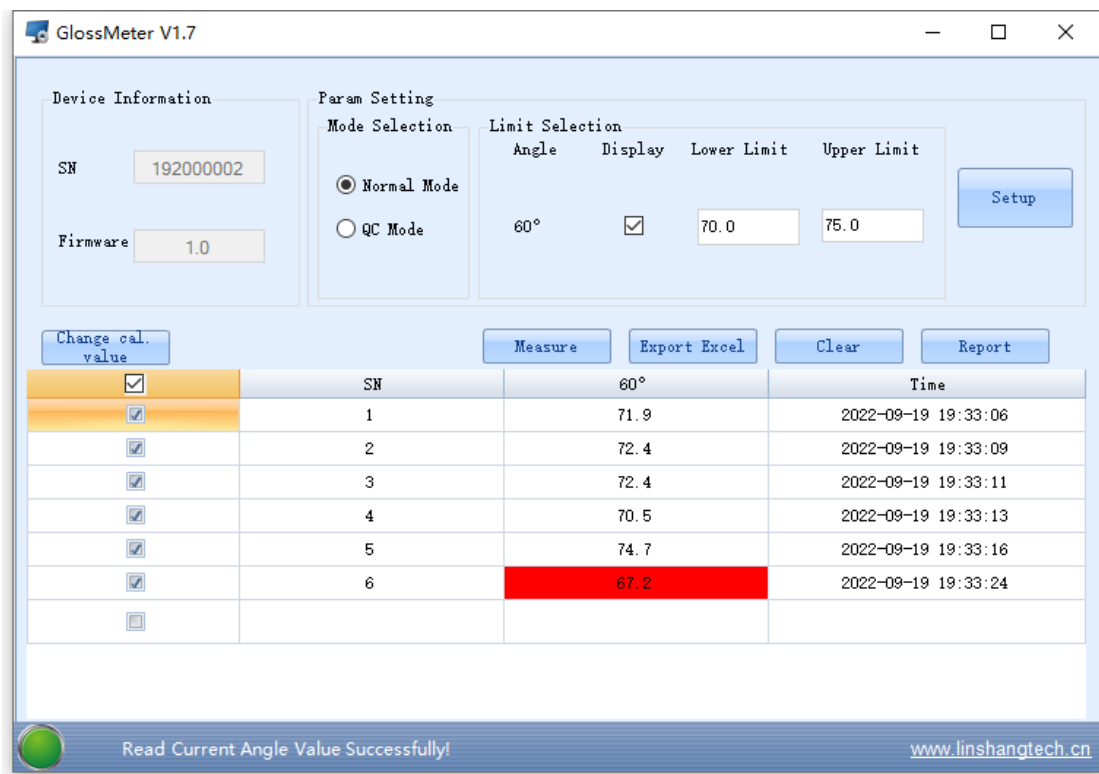
● USB Connection Status Indicator

Normal device connection: "Green".

Abnormal or no device connection: "Gray".

● Device Information

The information includes the SN and Firmware Version.

● Mode Selection

Normal Mode: the device continuously measures the gloss by covering the surface to be tested. There is no need for button pressing.

QC Mode: Each time the button is pressed，a value is got and qualified.

● Limit Selection

The upper limit and lower limit are selected according to the sample test requirements. The data that are beyond the limits have corresponding prompts in the display, and are used to determine the qualification range for counting the number of PASS and NG in the report.

The preset upper and lower limits, after downloaded to the device, are also used to determine the qualification range in QC Mode.

The multi-angle device can also choose the angle display.

● Function Buttons

"Measure": used for online measurement. Click "Measure" once, and the device uploads a measurement value.

"Export Excel": export the measurement data from the data column in Excel format.

"Clear": clear all data in the data column.

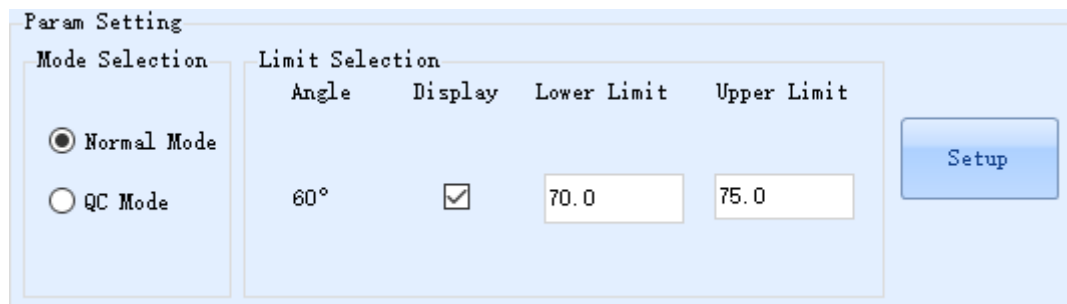**"Report"**: generate reports.

● Data Display Area

The area includes data selection area, natural SN (accumulates once per each data read), measurement value, and test time.

● **Calibration values modification**

Users can correct the Calibration values of the standard plate to ensure the accuracy of the instrument.

3. Software Operation

➤ Parameter Setting

Customers can set the device to Normal Mode or QC Mode according to their needs. The multi-angle device can freely combine the angles that need to be displayed. The upper and lower limits are used to determine the qualification range in QC Mode.

After setting parameters, click "**Setup**" to download the parameters to the device.

Note: After setting the angle display and the upper and lower limits, the computer software will also display the selected angle synchronously, and make the qualification judgment according to the preset upper and lower limits.

➤ Calibration values modification
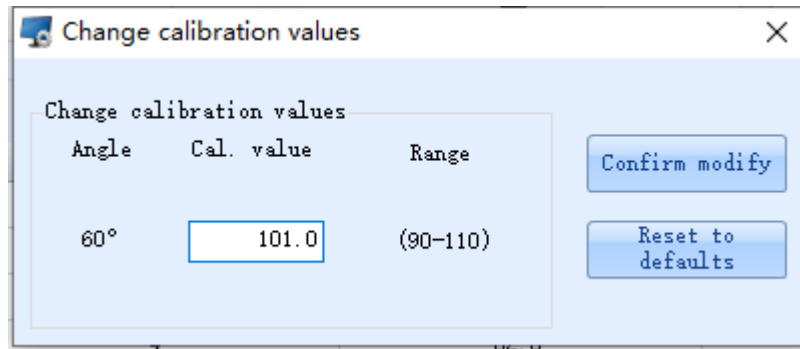
Input the new Calibration values of standard plate and click "**Confirm modify**" , then calibrate to complete the revision of the standard value.

Click on "**Reset to defaults**" and then calibrate the instrument can restore factory Calibration values.

Note: In general, it is necessary to calibrate the standard plate by the metrology institute before modifing the standard value.

➢ **Online Measurement**

For online measurement, click "Measure" to obtain the surface gloss value of the sample in real time, or shortly press the button on the device to automatically upload the measured value.
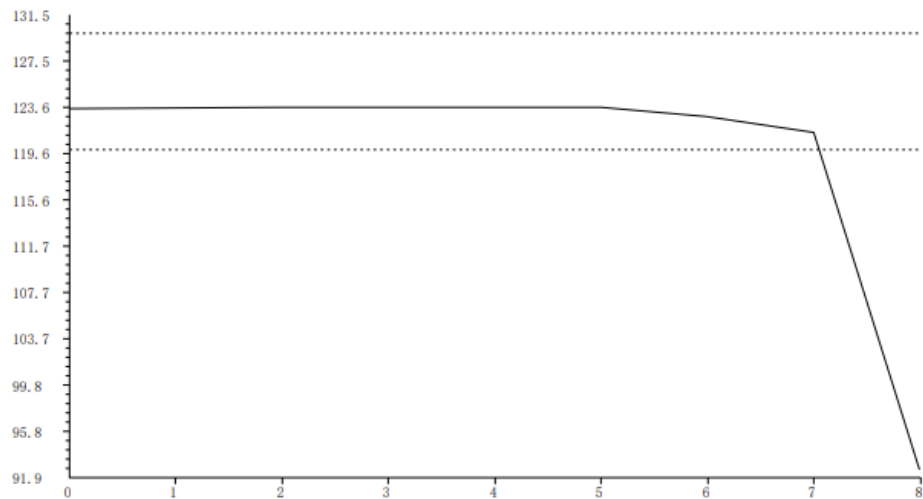
➢ **Report Generation**

Click "Report" to generate the report as follows:

Test Report

Device: GlossMeter   SN: 192000011
Sample: 80mm Basic Card   Test Date: 2021/12/3
Company:

Angle	Max	Min	Avg	Stdev	
	123.6	92.6	119.4	10.8	
60°	Lower limit	Upper limit	Total Test Points	Pass	NG
	120.0	130.0	8	7	1

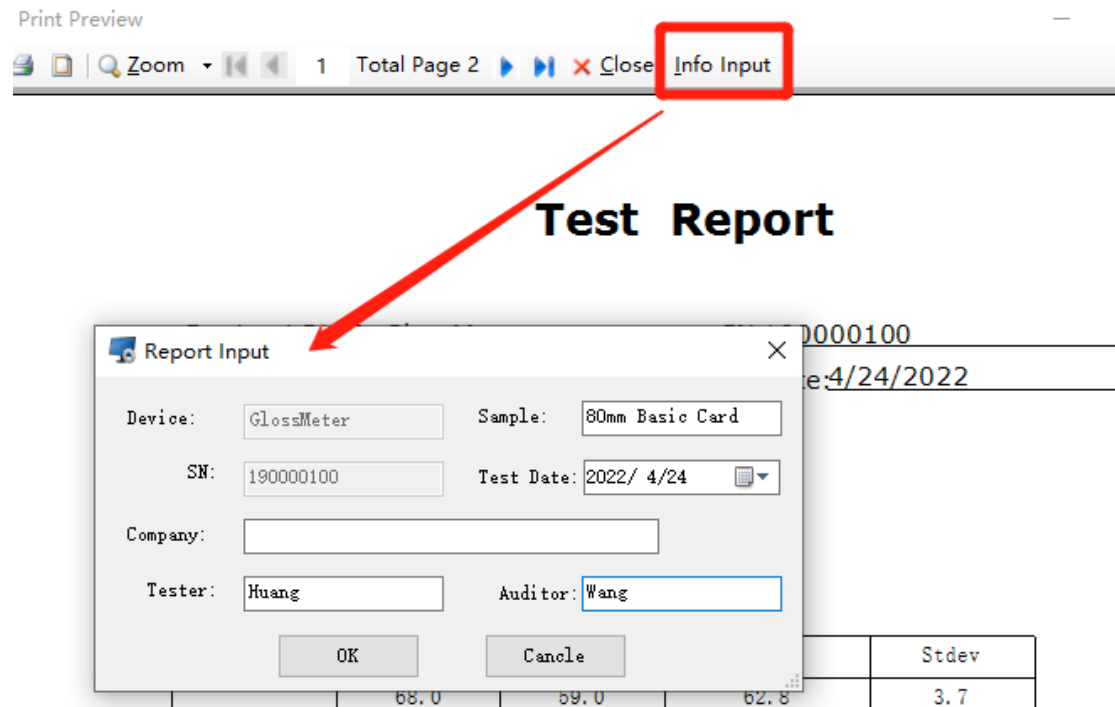Tester: Huang   Auditor: Wang

Page 1   Total 2 Pages

Statistical information includes Max, Min, Avg, Stdev, Lower Limit, Upper limit, Total Test Points, Pass, and NG.

➢ Header Information Input

Click "Info Input" to enter header information.

Company: Shenzhen Linshang Technology Co., Ltd.

Website: www.linshangtech.com

Service Hotline: +86 0755 86263411

Email: sales21@linshangtech.com