

Bench Glossmeter

BEVS 1506

User Manual



Version 201601



This manual shall be read carefully before starting. Directions included in this operation manual shall be strictly followed.

1 Company Profile

BEVS Industrial Co., Ltd. is a leading manufacturer that specializes in coatings, ink, painting, resin testing instruments and laboratory whole solution.

We offer the complete and unique products in this field to meet customer's challenging demands of today and tomorrow, the products are complied with the standards of ISO, ASTM, DIN, BS, EN etc.

With strong supports and hard work by lots of end-users and worldwide agents, BEVS become more and more famous in the world and provides more competitive values for our customers.

2 Product Introduction

This small, portable instrument is made for measuring the gloss of curved surface, small pieces, specially shaped surface of small products, application in the area of coatings, automobiles, toys, furniture, plastics, banknotes, teeth, ceramics etc.

3 Operation Introduction

Measuring interface is shown in figure 1

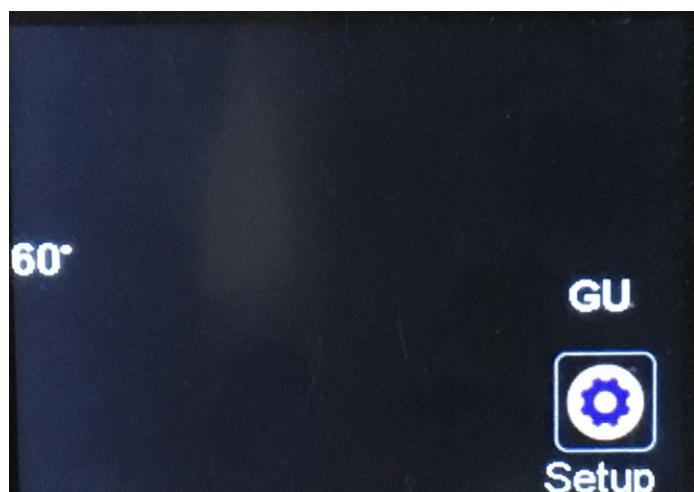
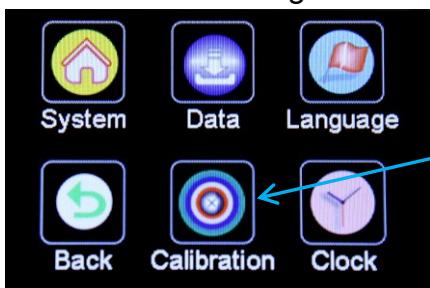


Fig 1

In the process of measurement, the Settings button may be hidden, click the Settings button corresponding position can be displayed.

3.1 Calibration

Method 1: measuring interface -> Settings > calibration, complete the calibration



Click on this button, then complete the calibration accordingly.

Fig 2

Method 2: on the switch off statue, hold the measurement button for a while, it will enter into the calibration interface automatically, and then can complete the calibration accordingly



The power button, hold for a while, it will enter into the calibration interface automatically.

Fig 3

Note: Must ensure the calibration plate is clean, and correctly placed on the instrument. Otherwise might fail calibration.

Because of the limitation of gloss meter sensors, any gloss meter measurement results would have a tiny change with the temperature change, so in order to ensure the accuracy of the measurement results, suggest user calibrated every half an hour.

3.2 Measurement procedure

Measurement can be carry out by measurement button.

- 3.2.1 When calibration is completed, can start the gloss measurement.
- 3.2.2 Return to the measuring interface As shown in figure 1.
- 3.2.3 Place the sample on the measuring hole surface.
- 3.2.4 Ensure the sample completely covered on the orifice.
- 3.2.5 Click the measuring button can display measurement results and the data values.
- 3.2.6 If set up the measurement range, that can judge the measurement result pass or fail (NG).

Red represents measurement results is fail (NG), white represents pass

How to set up the measurement range please see step 3.3.5

Besides measurement button and also can be apply by foot-switch or optical sensor switch, especially BVES is the first company to apply this optical sensor technology in this industry.

3.3 Data

3.3.1 PC software installation

Specific installation method is introduced in detail in installation method of the gloss meter software.

3.3.2 Download Data

1. Double-click to open the desktop menu of "Bench gloss-meter software";
2. Connect gloss-meter USB to the computer, and set the COM port number in the software menu, then test successfully.
3. Click on the "export data to the computer", the data can be displayed in the form of software.
4. Click file > data output to Excel form, the data can be download to the form.

3.3.3 Delete the data



Click on this button, display the data information, and then click the delete button to delete one or delete all data.

Fig 4

3.3.4 Check max and min data

Click button "Data" as show on Fig 4 and all numbers will be display, including max, min, average and others

3.3.5 Set up measurement range (Pass or Fail/NG)

Click button "Data" as show on Fig 4 and you can see the dialog, click icon "Edit" to set the range and exist the keyboard by button "En".

3.4 Set time and date

See Fig 5:



Click the button to set the correct date and time, click "En" to exist.

Fig 5

Note: Input number while setting time and date. For example, input150808 when you need to set on 8 Aug. 2015, and input 082500 to set time am 8:25.

3.5 Set language



Click here into the interface, click to choose language and the save.

Fig 6

3.6 Other Settings

You can set backlight and mute in the system settings. Factory menu is reserved by BEVS and no modification.

3.7 Technical Specification

Angle: 60°

Range: 0- 2000GU

Repeatability: ±0.5GU (0-199.9GU) ,0.5%(200-2000GU)

Precision: 1GU

Measurement area: 2x2mm

Display resolution: 320×240 Pixels

Control: Touch screen with one key measurement

Memory: 3000 readings

Operation temperature: - 10°C ~40°C

Port: USB

3.8 Standard

ASTMD523, DIN67530

3.9 Accessories

1 Hand sensor



2 Foot switch



4 Order information

BEVS1506 Bench Glossmeter