6.5 Continuous Mode

6.5.1 Measurement

Figure 26 Continuous measurement interface (Ready)

Press the measurement button in the continuous measurement interface to start measurement.

If the storage is enabled, it will prompt to enter a name before the measurement. This name will be used as the first measurement name as shown in Figure 27, and subsequent measurements will be automatically incremented based on the name.

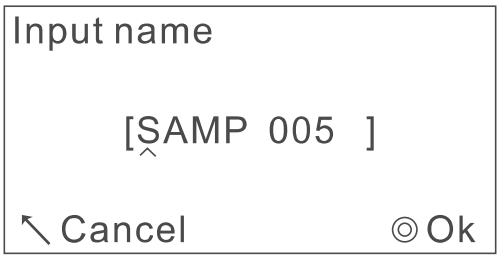

Figure 27 Enter the name of the first measurement

As shown in Figure 28, it will display each measurement result and the times that are measuring.

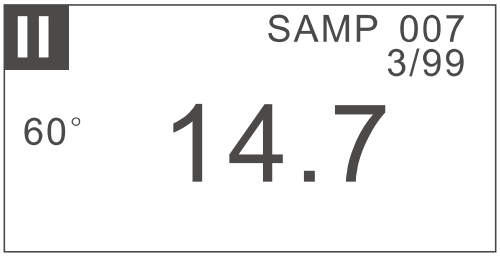

Figure 28 Continuous measurement interface (Measuring)

Press the measurement button or the return button during measurement to pause the measurement. When the measurement is paused, the average value ("avg" column), minimum value ("min" column), and maximum value ("max" column) of all measured samples are displayed as shown in Figure 29. Press the measurement button again to continue measurement.

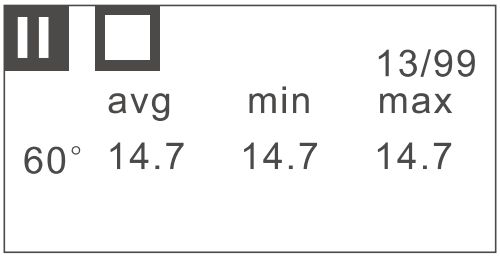

Figure 29 Continuous measurement interface (Pause)

Press the OK button while paused to abort the measurement and press the OK button again to display the continuous mode menu.
When the measurement is performed a specified number of times, the measurement is stopped and the average, minimum, and maximum values of all measured samples are displayed.

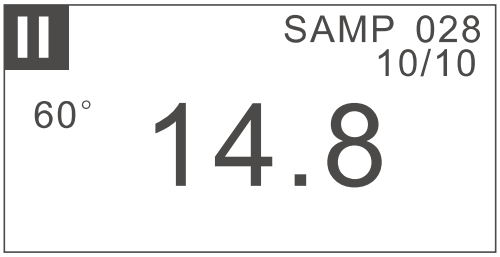

Figure 30 Continuous measurement interface (Complete)

6.5.2 Specified Number of Measurements

In the measurement interface, press the OK button to enter the continuous mode menu (If measurement is in progress, it needs to stop the measurement first), and select the "measurement times" menu item then press the OK button to modify. The number of measurements can be specified from 1 to 999 .

6.5.3 Specified Measurement Time Interval

In the measurement interface, press the OK button to enter the continuous mode menu (If measurement is in progress, it needs to stop the measurement first), and select the "Measurement interval" menu item then press the OK button to modify. The measurement time interval can be specified from 2 to 120 seconds.
The measurement time interval refers to the interval of two measurements.

7.Data Management

Enter the main menu to select the "Storage" menu item and press the OK button to enter the data management interface.

Figure 31 Storage menu

7.1 Turn on/off the Storage

Select the "Storage" menu item and press the OK button. After modifying the switch options, press the measurement button to save the changes.

7.2 View Records

Record types are divided into quality control records, statistical records, and basic records. The quality control records store the quality control measurement results; the statistical records store the statistical measurement results; the basic records store the basic model and continuous model measurement results.
To view the corresponding record, select the appropriate record and press the OK button to start browsing.
Press the up or down button during browsing to switch the records.
Press the return button to return to the storage menu.
Press the measurement button to return to the measurement interface.

7.3 Delete Records

Select the "Delete" item of the storage and press the OK button to enter the "Delete" menu. Then select the record type to delete, press the OK button after selecting, and it will prompt to confirm the operation by pressing the OK button or the measurement button or cancel it by pressing the return button.

Note: The delete operation will empty all corresponding records at once, so please operate with caution.

8.Standard Management

In the main menu, select "Standard Management" and press the OK button to enter the standard management menu.

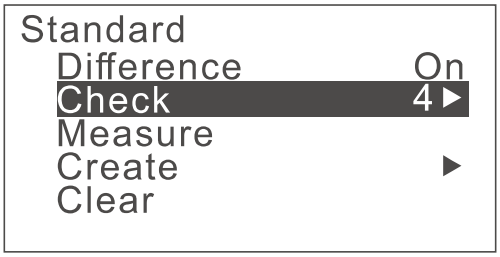

Figure 32 Standard management menu

8.1 Turn on Difference Display

In the standard management menu, select "Difference Display" and press the OK button to modify the difference display switch. After the modification, press the measurement button or OK button to save the changes.

8.2 Browse/Edit/Delete Standards

In the standard management menu, select "Browse Standards" and press the OK button to enter the browse standards interface as shown in Figure 33.

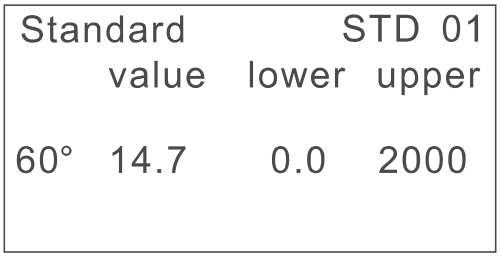

Figure 33 View standards interface

In the figure 33, the upper right corner shows the standard name. If it is the current standard, "*" will be displayed in front of the name.
"value" is the target value of the standard, "lower" is the lower limit of the qualified sample, and "upper" is the upper limit. In the quality control or statistical mode, within the range of upper and lower limits are "OK", exceeding it is "NG".
Press the up or down button while browsing the standard to switch the standard.

Figure 34 View standards menu

Press the OK button to open the browse standards menu, as shown in Figure 34.
The View standards menu includes:

- Set as the current standard: set the browse standard as the current standard;
- Modify the standard: modify the name and value of the viewing standard;
- Delete: delete the viewing standard.

8.3 Measure Standards

In the standard management menu, select "Measure"and press the OK button to perform the measurement.
Use average measurements in statistical mode, otherwise use basic measurements. The average measurements procedure is similar to the standard measurement under the statistical mode standard menu. The basic measurement is similar to the standard measurement in the quality control mode.

8.4 Create Standards

Select "Create" in the standard management menu and press the OK button to create a new standard, as shown in Figure 35. Then, in the "Create Standards" interface, modify the name of the Standard and set the target value and upper and lower limits for each angle.

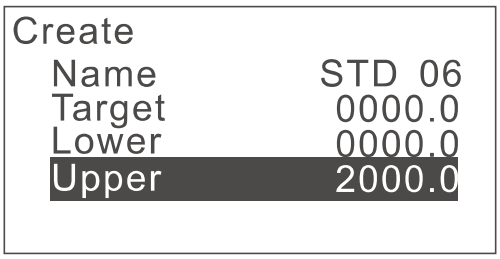

Figure 35 Create standards interface

8.5 Clear Standards

Clear Standards will delete all stored standards.
In the standard management menu, select "Clear" and then press the OK button. The system will prompt to confirm. Press the measurement button or OK button to execute the emptying operation or cancel it by pressing the return button.

9.Switching Angle

For multi-angles instruments, it is able to modify the measurement angle.
In the main menu, select "Geometry" and press the OK button. Then select the angle to use when measuring and press the OK button.

10.System Settings

In the main menu, select the "Setting" menu item and press the OK button to enter the System Settings menu.

10.1 Language Settings

After selecting "Language Settings" in the system settings menu, press the OK button to enter the language menu. Select the required language and press the OK button to set it as the system language.

10.2 Beep

In the system settings menu, select the "Beep" menu item and press the OK button, then modify the switch options. After the modification is completed, press the OK button or the measurement button to save the changes.

10.3 Auto Shutdown Options

In the Setup menu, select the "Auto Shutdown" menu item and press the OK button, then modify the idle waiting time for automatic shutdown.
The automatic shutdown time can be set to 30 seconds, 60 seconds, 90 seconds, 2 minutes, or never shut down.
Automatic shutdown is only valid when using battery power, and it can not turned off when using USB power.

10.4 Reset the Instrument

Reset the instrument when the system is abnormal.
Resetting the instrument will erase all user data and settings except calibration tile parameters, so please use it with caution.
Press the OK button after selecting "Reset Instrument" in the system menu. At this time, the system will prompt to execute the operation or not. If confirm to execute the operation, please press the OK button or measurement button, or cancel the operation by pressing the return button.

10.5 View Device Information

In the system menu, select "Device Information" and press the OK button to view the device information.

The device information includes the instrument model ("Model"), serial number ("SN"), software version number ("S.V."), and hardware version number ("H.V.").

11.Technical Specifications

Product Model	Non-Contact Gloss Meter
Measuring Angle	60°, Conform to Standards: ISO 2813, ASTM D 523, GB/T 9754
Measuring Spot(mm)	60°:9X15
Measurement Range	60°:0~1000GU
Division Value	0.1GU
Non-contact Distance	Non-contact distance 10.0mm±0.1, the parallelism between the measured surface of the sample and the measuring aperture surface is 0.2 degrees
Features	It can be used for gloss measurement and quality inspection in paint ink, coating, paper printing, plastic electronics, furniture, ceramics, electroplating, hardware, marble and other industries. The non-contact test between the test probe and the tested sample realizes the non-contact test of samples such as liquids, pastes, powders, and fragile objects. The measurement time can be as fast as 0.2 seconds, and it can communicate with other systems through Bluetooth or USB, and demonstrate routines of various communication interfaces. Software functions can be customized (according to the evaluation of the situation, additional customization fees will be generated).
Measuring Modes	Basic Mode, Statistical Mode, Continuous Mode, Quality Mode
Measuring Time	0.2s/1s
Repeatability	0~100GU: ±0.5GU ; 100~1000GU: ±0.5%GU Test at intervals of 5 seconds under 10mm verification tooling (ensure test distance 10 and parallelism)
Accuracy	Meet the requirements of JJG 696 working gloss meter
Auto shutdown time	30s、60s、90s、2min or Never Shut Down
Long-time Calibration	With automatic calibration standard function and manual calibration
Language	Simplified Chinese, English, Traditional Chinese
Storage	35000pcs(15,000 records in basic mode and continuous mode, 10,000 records in quality control mode, and 10,000 records in statistical mode)

Display	2.3 inch black and white display
Dimension	140X83X38mm(Not including calibration bracket and calibration plate)
Weight	About 500g
Power Supply	Use the USB interface power adapter
Data Port	USB, Bluetooth
PC Software	Quality management software, quality inspection report printing, more function expansion
Operation Temperature Range	0~40°C(32~104°F)
Storage Temperature Range	-20~50°C(-4~122°F)
Humidity	Less than 85%RH, no condensation
Standard Accessories	Power adapter, quality management software (official website download or after-sales), calibration plate, calibration bracket

Warning:
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

NOTE:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.