



Digital Refractometer



Operational Manual

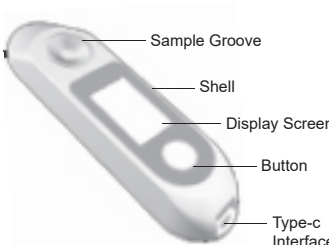
Catalogue

1.Introduction	1
2.Display & Button	2
3.Turn On and Measurement	2
4.Calibration	4
6.Turn Off	6
7.Maintenance & Preservation	6
Appendix	7

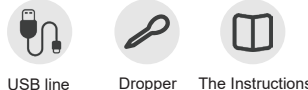
⚠ Before operating your instrument, please read this manual properly.

01/Introduction

Panel Descriptions

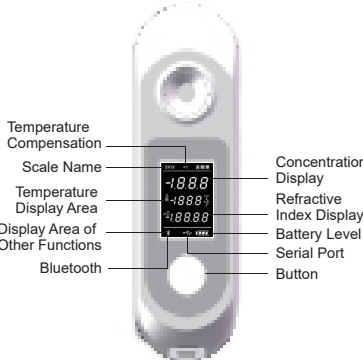


Accessories



02/Display and Buttons

Display Areas and Buttons

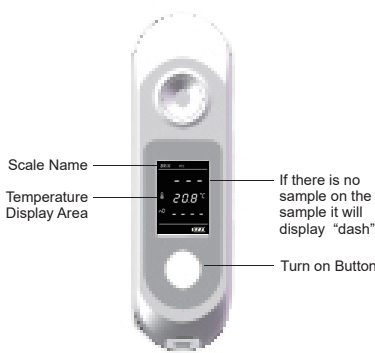


⚠ Note: Please charge the instrument when the is displayed (Battery Cyclic Display When Charging)

03/Turn On and Measurement

3.1 Turn On

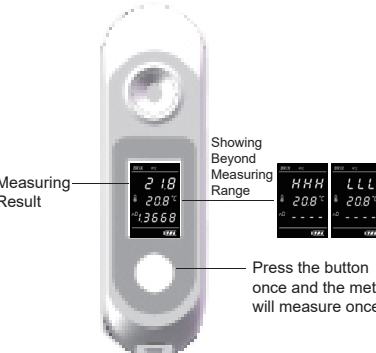
Press the button, the meter is turned on, and the meter will automatically measure once after it is turned on.



3.2 Measurement

After turn on, clear the distilled water and dry the sample plate, then drip 0.2~0.3ml sample.

Press 'Read' once, the meter will measure once and display the measured value. This measurement has been automatically temperature compensated. If the measurement range is exceeded, 'HHH' or 'LLL' will be displayed in the main display area.



Note :
1. When used outdoors, please avoid strong light so as not to affect the measurement accuracy.
2.Before dropping the sample please wipe well the sample groove with a soft clean cloth or a clean paper towel.
3. Please keep the instrument in a stable status to measure.

04/Zero Calibration

The meter only supports pure water calibration. The calibration method is as following: Drop 0.2-0.3ml pure water into the sample plate for calibration.



Press the button once to confirm the start the calibration, After the calibration is completed, the display is as shown in the figure

Note:
If you do not press the button, it will return to the power-on state after 10 seconds.

If fail to complete the calibration, multi-function display area would show'---'

05/Turn Off

After the instrument is turned on,if without any operations for 1 minute, the instrument would be automatically turned off.

06/Maintenance and Preservation

Please clean and wash the sample plate with pure water and dry it with soft cleaning cloth or paper towel after finishing the measuring one sample.

Store the instrument in a dry place and avoid direct sunlight. Exposure to moisture and high temperatures may damage the instrume.

Appendix:

Performance:

	Range	Accuracy	Resolution
Brix		±0.2%	0.1%
R.I.		±0.0003	0.0001
Temperature	0.0~40.0°C	±0.5°C	0.1°C
	32.0~104°F	±0.9°F	±0.1°F
Power Supply	Built-in 500mAH rechargeable lithium battery		
Dimension	≈143mm * 42mm * 22mm		
Net weight	115g (with battery)		

Note:
1.Waterproof and dustproof grade is IP56.It can be washed, but can not be immersed into the water.
2.The instrument has a built-in lithium battery which can not be removed.
3.Before use, zero calibration is required.

