

Catalogue

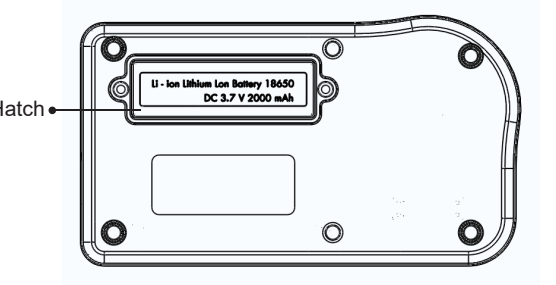
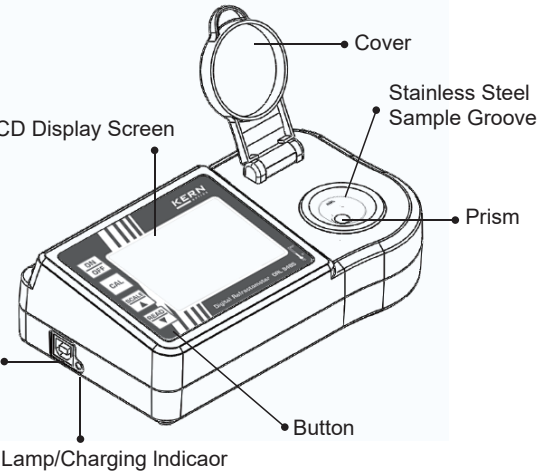
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⚠ Before operating your instrument, please read this manual properly.

⚠ This digital refractometer cannot measure any liquid that is highly corrosive to metal or glass. When measuring liquids that are corrosive to plastics or react chemically with plastics, be careful not to drop the measured liquid onto the shell. Otherwise it will corrode the shell.

1.Introduction

Panel Descriptions

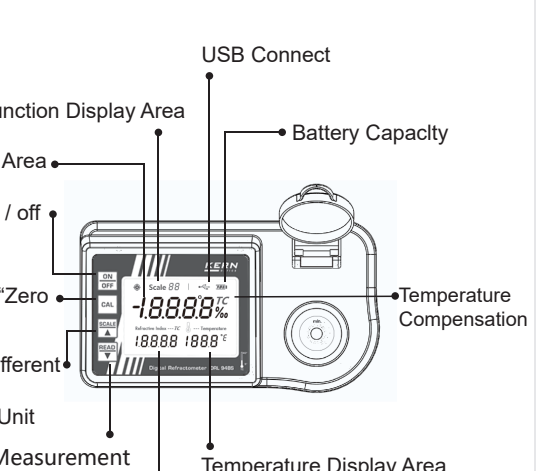


The Packing Accessories:

Packaging x1 The instructions x1 Dropper x1 Screwdriver x1 USB Line x1 Charger x1

2.Display and Buttons

Display Areas and Buttons



⚠ If is displayed, please charge it.

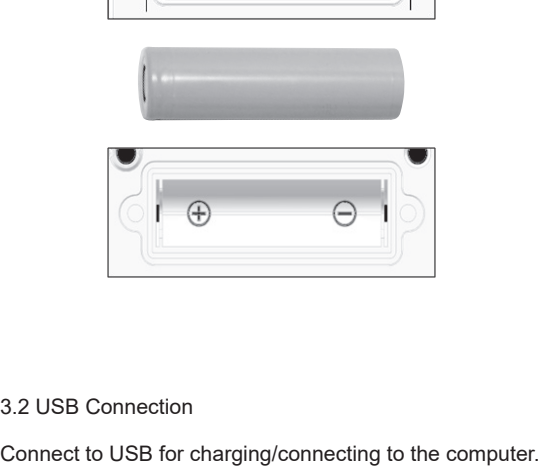
3.Preparations before Operating

3.1 Install the Battery

Use the screwdriver to open the battery hatch.

3.2 USB Connection

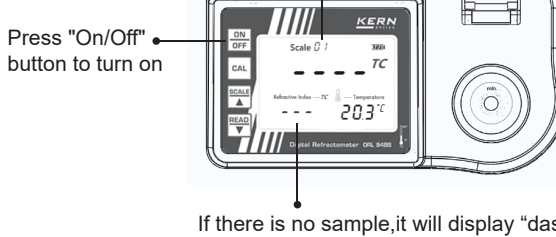
Connect to USB for charging/connecting to the computer.



4.Bootting and Measurement

4.1 Booting

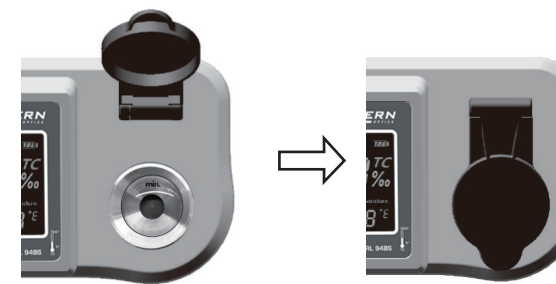
The multi-function display area would show the current scale number.



- ⚠ Note :
1. When used outdoors,please avoid strong light so as not to affect the measurement accuracy.
 2. Before dripping into the sample liquid, please clean the sample plate and Prism with soft clean cloth or soft paper.
 3. Please keep the instrument in a stable status to measure.
 4. Please ensure instrument, environment and sample are in the same temperature level before measuring.

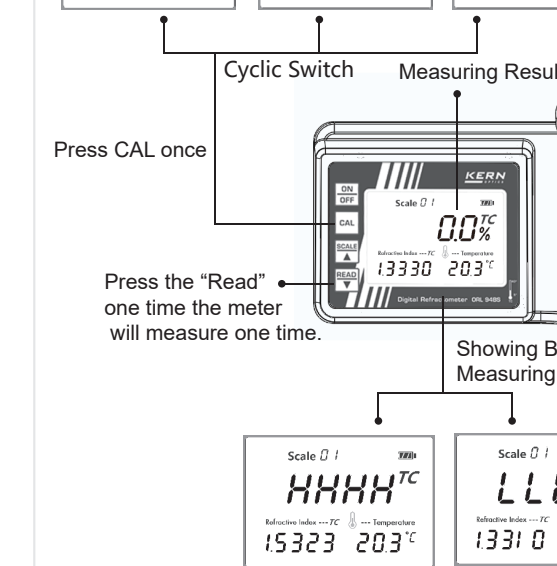
4.2 Measurement

After turn on,clear the distilled water and dry the sample plate, drip 0.3~0.4ml sample then close the cover to measure.



5.The Calibration

The meter only supports pure water calibration. The calibration method is as following:drop 0.4ml pure water then close the cover to measure.

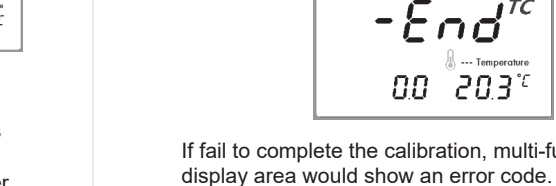
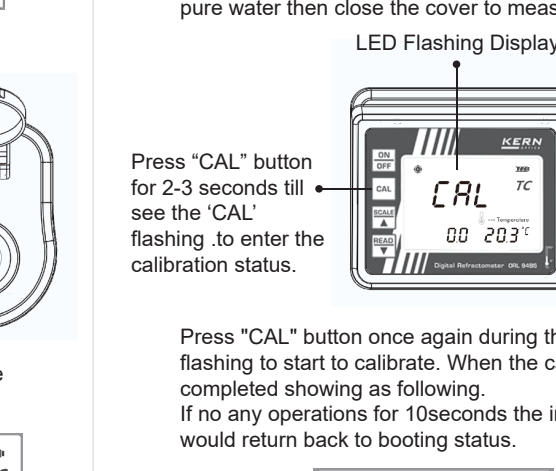


If press the "Read" button for 2 seconds, the instrument would make the automatic measurements upon programmed times (default 15times), the final value is the average of 15 times' measurements, After measurements, it will return to the normal state and the scales display area would display the average of the automated measurements

The multifunctional area displays the number of remaining automatic measurements.For each automatic measurement, this number is reduced by 1.

6.Scales converting and temperature systems converting

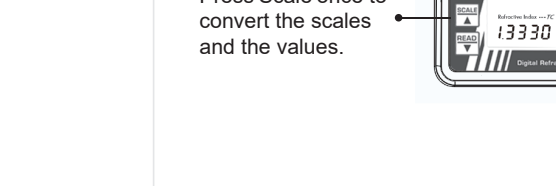
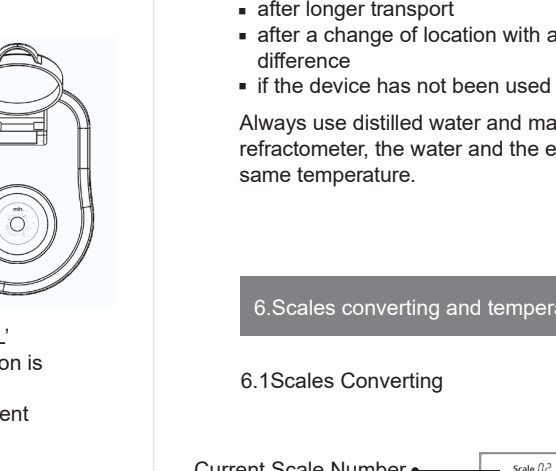
6.1Scales Converting



Display error code A03,indicating error of sensor measurement.See the appendix for other error codes .

6.2Temperature System Converting

Press button for 2 seconds, temperature unit would be converted.



Press "CAL" button once again during the 'CAL' flashing to start to calibrate. When the calibration is completed showing as following. If no any operations for 10seconds the instrument would return back to booting status.

7.Turn Off

1. After turn on if without any operations for 3 minutes, the instrument would be automatically turned off.

2. Press "on/ off " button for 2-3 seconds, the instrument would be turned off.

8.Maintenance and Preservation

1. Please clean and wash the sample plate with distilled water and dry it with soft cleaning cloth or paper towel after finishing the measuring one kind sample.
2. Never left the remains and residuals of samples in the sample plate for long time.

9.Appendix

Performance:

	Range	Accuracy	Resolution
Brix	0.0%~94.0%	±0.1%	0.1%
R.I.	1.3330~1.5290	±0.0002	0.0001
Temperature	0.0~40.0°C	±0.3°C	0.1°C
	32.0~104.0°F	±0.6°F	0.1°F
Dimension	180*100*55mm		
Net weight	365g (excluding battery)		

The Error Codes Table:

Code	Instructions
A01	Beyond the scope of calibration temperature. (1.0°C~40.0°C)
A02	During calibration, no solution or non-pure water
A03	This instrument has a hardware failure.

Description of Scales Numbering:

