2.Display and Buttons 3. Preparations before Operation 4.Booting and Measurement 5.The Calibration 6.Scales Converting and Temperature Systems Converting 7.Turn Off 8. Maintenance and Preservation

9.Appendix

1.Introduction

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.

Catalogue

Panel Descriptions LCD Display Screen

Battery Hatch •—

• Cover

The Packing Accessories:

Charge Lamp/Charging Indicaor

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

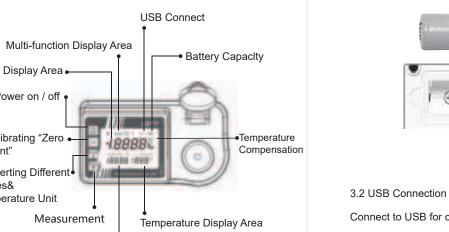
Host Display Area •——— Temperature Unit

Refractive Index

If : is displayed, please charge it.

play and Buttons

Display Areas and Buttons



3.1 Install the Battery

Use the screwdriver to open the battery hatch.

4.1 Booting

and the law bears of bone facts. DC47=3000+4

Connect to USB for charging/connecting to the computer.







The multi-function display area

cloth or soft paper.

measuring.

4.2 Measurement

cover to measure.

button to turn on

would show the current scale number.

If there is no sample, it will display "dash"

1. When used outdoors, please avoid strong light

2. Before dripping into the sample liquid, please

3. Please keep the instrument in a stable status to

4. Please ensure instrument, environment and

After tum on clear the distilled water and dry the

sample plate, drip 0.3~0.4ml sample then close the

so as not to affect the measurement accuracy.

clean the sample plate and Prism with soft clean

sample are in the same temperature level before

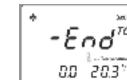
displays the number of remaining automatic measurements.For each automatic measurement, this number is reduced by 1

the automated measurements

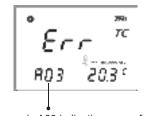
The multifunctional area % تى.ت Distribution (C. g. approxima 13330 503,

The meter only supports pure water calibration. The calibration method is as following:drop 0.4ml pure water then close the cover to measure. LED Flashing Display Press "CAL" button for 2-3 seconds till • see the 'CAL' flashing .to enter the 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.

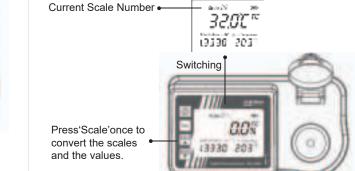


If fail to complete the calibration, multi-function display area would show an error code.

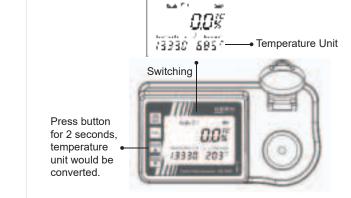


Display error code A03, indicating error of sensor measurement. See the appendix for other error codes.

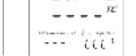
Scales converting and temperature systems convertin 6.1Scales Converting



6.2Temperature System Converting



If exceed the temperature limitations, the signs "HHH" or "LLL" would show.



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

would be turned off.

water and dry it with soft cleaning cloth or paper towel after finishing the measuring one kind sample.

- the prism and metal surface of the plate.
- prism's glass.
- cool and dry environment.

--- ини:

Sec + (1) con

ntenance and Preservation

1. Please clean and wash the sample plate with distilled

2. Never left the remains and residuals of samples

- 3. After finishing measurements of the corrosive liquid, please clean the sample plate as quick as possible to avoid the irreparable damage of
- 6. If no using the instrument for a long time,

Effects of the Section of the Sectio

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

- in the sample plate for long time.
- 4. Please use soft cleaning cloth or paper towel to clean the sample plate to avoid scribing the
- 5. When the dropper and dust-free cloth are not used, please clean it with clean water and put it in the packing box after drying.
- please remove the battery, and preserved in a

Dimension

Net weight

Performance:

Range Accuracy Resolution 1.3330~1.5290 ±0.0002 0.0001 0.0~40.0°C Temperature 32.0~104.0°F ±0.6°F 0.1°F

The Error Codes Table:

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

180*100*55mm

365g (excluding battery)

2024/02 V3.1

State S. J. See State S. J. See State S. J. See

Cvclic Switch Measuring Result

Spain (F) mm

instrument would make the automatic measurements

value is the average of 15 times' measurements. After

and the scales display area would display the average of

upon programmed times (default 15times), the final

measurements, it will return to the normal state

(5323 203)

If press the "Read" button for 2 seconds, the

0.0%

Press CAL once

Press the "Read" •-

one time the meter

will measure one time.

Measuring Range

Scale (i) 1 mm

Description of Scales Numbering: