

Instructions for the Digital Refractometer

(English version)

Specifications

Temperature compensation	10-40° C
Ambient temperature	10-40° C
Full of electricity	About 20,000 times
Resolution	0.1% Brix
Accuracy	±0.2%Brix/±1 C°
Range	0-32% Brix <input type="checkbox"/> 0-55% Brix <input type="checkbox"/>
Battery	Built-in lithium battery (600mA)
Size and weight	112(L)*54.8(W)*30.8(H) , 113g

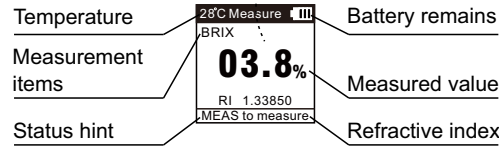
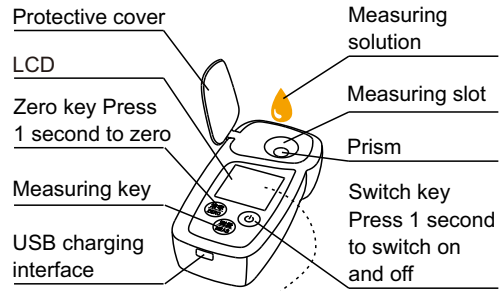
Status Notice

Error Messages	Reason
Cover with hand	External light is too strong to measure.
High temperature Low temperature	Temperature excess in measuring slot.
Re zero	Please follow the zero-clearing step again.
Less solution	Too little solution in measuring slot.
Less water	Too little clean water in measuring slot.
Out of range	Excessive concentration
Low voltage	Charge with 5V charger or computer USB
Call maintenance	Possible damage to components.

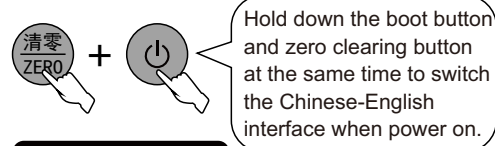
Service Voucher

- The company provides one-year non-man-made damage warranty service for customers from the date of purchasing the instrument.
- The following conditions are not included in the warranty.
 - Artificial damage or damage caused by improper use and custody.
 - Failure or damage caused by dismantling and assembling without authorization of the company.
 - Instruments purchased through informal channels.

Parts



Language



Cautions

- Cold or hot measuring solution**
Solution: Drop in the measuring solution and wait 20 seconds before measuring. Because the instrument needs to do temperature supplement, this requires the instrument and the measuring solution to maintain the same temperature, and this takes more than 20 seconds.
- Measuring solution containing suspended substances**
Solution (Step 1): Remove suspended solids from measuring solution with filter spoon or gauze as much as possible.
Solution (Step 2): Mix measuring solution evenly (do not use metal and hard objects, and avoid scratching the optical prism). Because uneven measuring solutions or suspended solids can lead to instrumental uncertainty in measurement.

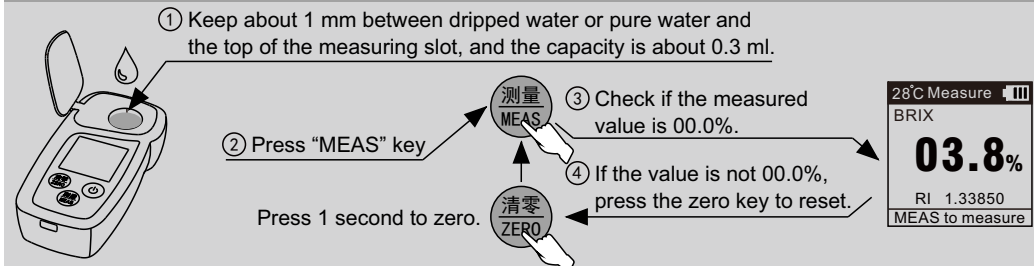
Cleaning

If there is dirt in the measuring slot or the instrument is not used for a long time, it should be cleaned first.



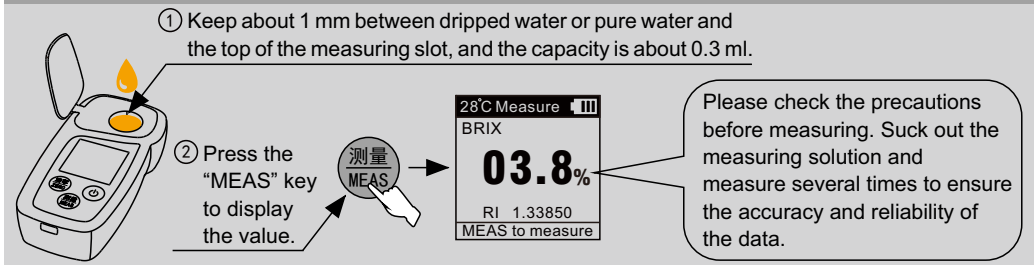
Zero-setting

Measure whether the clean water or pure water is 0.0% before using, and if it is not 0.0%, it will be zeroed first.



Measurement

Measure again after zero clearing.



Warning

- ▶ This instrument is a precise optical instrument. Prevent it from collision and fall.
- ▶ Forbid hard objects to scratch the optical prism in measuring slot.
- ▶ When it is out of use, please store it in a place as dry as possible.
- ▶ USB charging voltage should not exceed DC6V limit.