Digital Brix Refractometer, 32% brix

SISCO-RM-JBM-10

Notice

- This manual details the digital brix refractometer's usage, precautions, and other relevant information. Please read this manual carefully before using the product to ensure optimal performance.
- Do not use this brix meter refractometer in flammable or explosive environments.
- Please dispose of used batteries and the instrument in accordance with national or local regulations. Do not discard them with household waste.
- If you encounter any quality problems with the instrument or have any questions during use, please contact our online customer service. We will resolve your issues promptly.

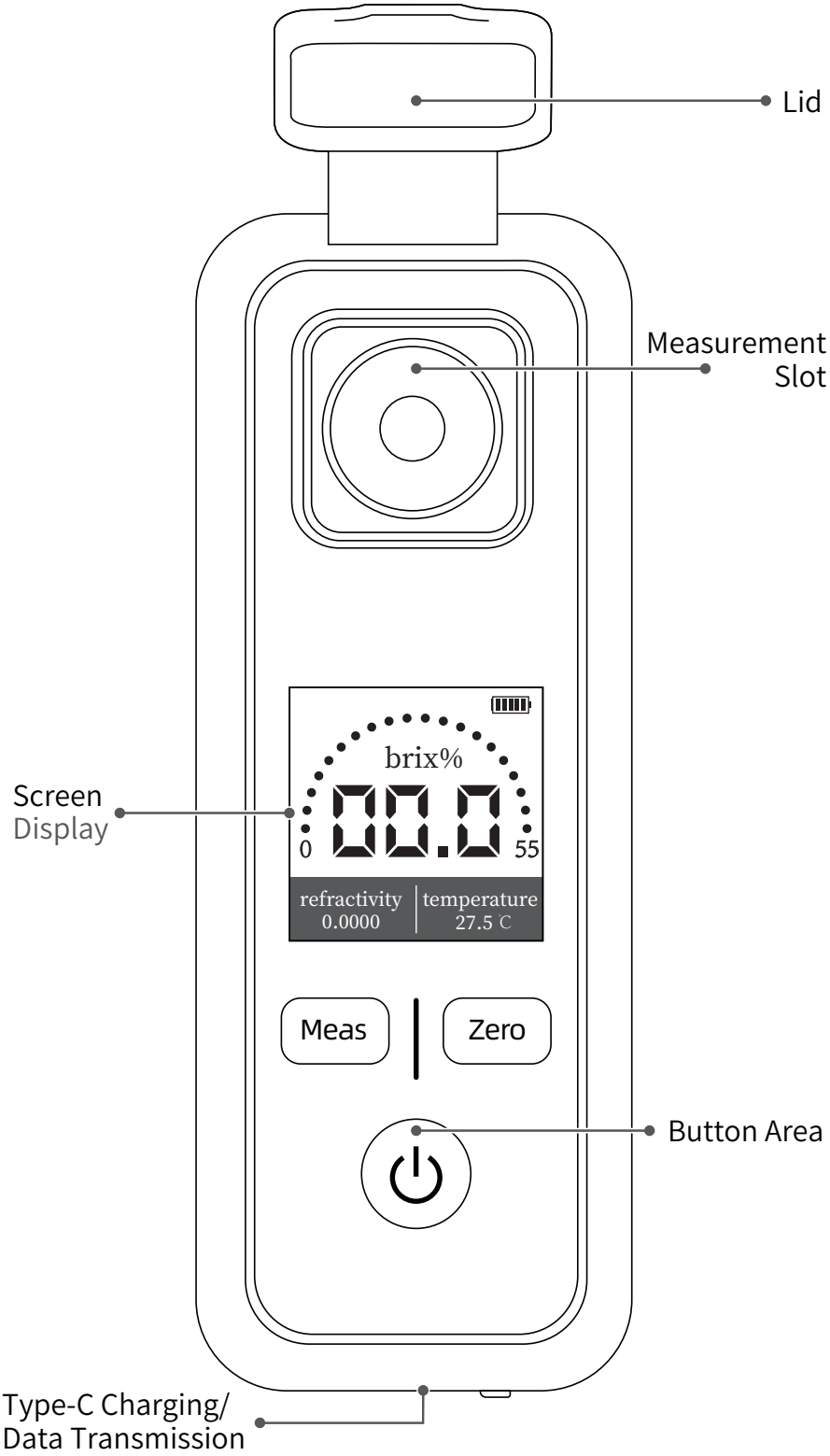
Overview

This handheld brix refractometer is an instrument for measuring the sugar concentration in fruit juices, alcoholic beverages, and other solutions.

It features a high-definition color screen display, a wide range of measurement parameters, a broad measurement range, and high accuracy.

This digital brix refractometer is suitable for rapidly detecting sugar solutions of various concentrations and is widely used in beverage, food, sugar refining, alcoholic beverage, and agricultural industries to control production processes and ensure product quality.

2.Panel Introduction

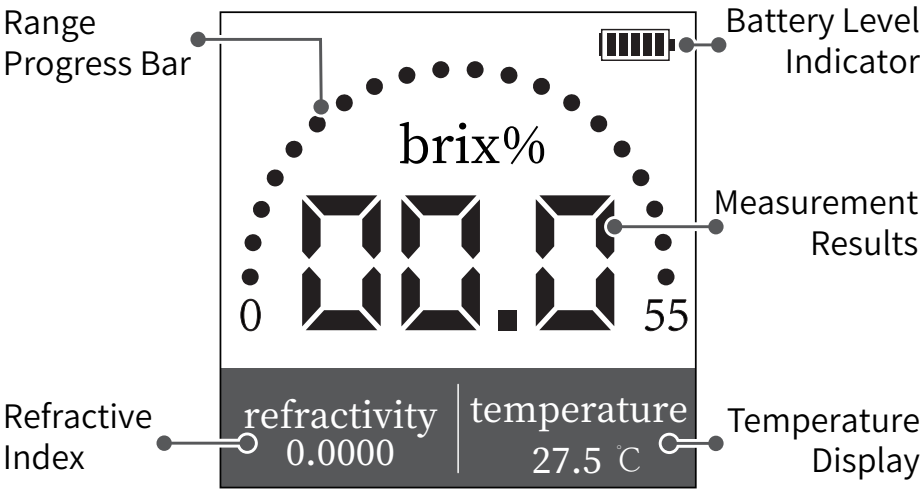


3. Parameter Introduction

MODEL	JBM-10	JBM-20
RANGE	0%~32%Brix	0%~55%Brix
SCREEN	1.54-inch IPS High-definition Color Screen	
PRECISION	±0.2%	
LID DESIGN	✓	
LANGUAGE	Chinese / English	
SIZE	46×31.5×125mm	
BATTERY CAPACITY	600mAh	
CHARGING METHOD	Type-C Charging	
FUNCTIONS	●Temperature/ Refractive Index/ Sugar Content Measurement ●One-Key Zeroing ●Automatic Shutdown ●Switch between Chinese and English ●Data Recording ●Brightness Adjustment ●Single Measurement Repeatability	

4. Operating Instructions

BUTTON	OPERATION	FUNCTION
⏻	Long Press	Power On/Off
	Short Press	Toggle List Function Key (Settings Interface)
Meas	Short Press	Perform Measurement (Measurement Interface)
	Short Press	Confirm Selection (Settings Interface)
Zero	Short Press	Zero Measurement Data (Measurement Interface)
		Return to Previous Level (Settings Interface)
	Long Press	Enter the Settings Interface



Interface Display

Operation Steps

Cleaning:

1. lf there are oily or difficult to-clean substances in the measurement slot, clean with ethanol or soapy water.
2. Rinse with clean water and wipe with a tissue for at least three times (discard the tissue after each wipe).

Power On:

Before measurement, review the precautions, then long press the power button to turn on the instrument.

Zeroing:

1. Clean the water tank before use.
2. Fill the measurement slot with clean water, at least two-thirds full. Short press the zeroing button and wait for zeroing.
3. The screen displays "Measurement 0.0%", indicating that zeroing is complete.

Measurement:

1. Drop the sample to be tested into the measurement slot, flling it at least two-thirds full.
2. Press the measurement button, and data will be displayed within 5 seconds. Repeat the process for accurate results.

Settings:

Long press the zeroing button to enter the settings interface. Use the power button to navigate up and down, the measurement button to confirm, and the zeroing button to return.

Firmware Upgrade

1. Download the latest firmware from the official website and extract it to your desktop.
2. Press and hold the measurement button, then connect the device to your computer using a USB to Type-C data cable to enter firmware upgrade mode. A USB drive icon will appear on your computer screen.
3. Copy the firmware to the USB drive. After successful copying, the device will automatically upgrade.
4. Monitor the upgrade progress. The device will restart after the upgrade is complete. If the upgrade fails, please contact official customer service.

Precautions

1. This instrument is a precision optical instrument and should be protected from impacts and drops.
2. Before use, please test with clean water to ensure the reading is 0.09%. If the reading is inaccurate, please zero it. Clean the measuring chamber before and after each use.
3. Do not scratch the optical prism inside the measuring chamber with hard objects.
4. Ensure the USB charging voltage does not exceed the DC 5V limit.
5. The sample to be tested should occupy at least two-thirds of the measuring chamber.