

INTRODUCTION

The ACUCAL Digital Refractometer is a Sugar Refractometer which is used to quickly measure the concentration or refractive index of sucrose solution and other non-sucrose solution. Hand-held Digital Refractometer also known as Hand-held Glysimeter, is having a digital LCD display suitable for measuring almost any liquid such as fruit juice, food and beverage.

Refractometers are calibrated to measure the sugar content of a solution using a scale where 1 degree brix is equal to 1% sucrose by mass. This scale is widely used in the food industry and simple handheld Brix refractometers are used for home.

The built-in Automatic Temperature Compensation feature makes it possible to get consistently accurate reading, you don't need to control the temperature of the aqueous solution deliberately, just make sure it's room-temperature.



FEATURES

- **Digital Refractometer is Compact, Small and portable.**
- **Easy to use & user-friendly.**
- **Light touch button, comfortable and beautiful.**
- **Special designed Stainless steel sample pool/ place, avoid sample spilling, easy to clean.**
- **With a prism cover plate, to protect the sample, to ensure the sample accuracy.**
- **Test sugar content as well as temperature of measured stuffs, automatic temperature compensation**

TECHNICAL SPECIFICATIONS

- **Measuring range: 0-45%**
- **Resolution: Sugar (Brix) 0.1%; temperature 0.1°C**
- **Accuracy: Sugar (Brix) $\pm 0.2\%$; temperature $\pm 0.5^\circ\text{C}$**
- **Temperature compensation: 9.9°C-99.9°C(automatic temperature compensation)**
- **Sample volume: 0.3 ml**
- **Respond time: 3 s**
- **Power supply: AAA*2**
- **Battery life: About 8000 times**