

#### 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.

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.
- Test sugar content as well as temperature of measured stuffs, automatic temperature compensation
- Automatically turns off after 03 minutes of non use.

#### TECHNICAL SPECIFICATIONS

- Measuring range Sugar ( Brix ) : 0-85%      Temperature : 0 to 80°C
- Resolution: Sugar ( Brix ) 0.1%;              Temperature 0.1°C
- Accuracy: Sugar ( Brix )  $\pm$  0.2%;              Temperature  $\pm$  0.3°C
- Temperature compensation: 9.9°C-40°C (automatic temperature compensation)
- Sample Volume: 100  $\mu$ l ( Cover Prism totally
- Sample Cell : SS Ring Flint Glass Prism
- Respond time: Approximately 1.5 s
- Power supply: 1\*9V AA Battery
- Battery life: About 5000 readings
- Case Material : ABS
- Enclosure Rating : IP 65
- Dimensions / weight : 19.2\*10.2\*6.7 cm / 420g