

**Lasany<sup>®</sup>**

**DIGITAL  
ABBE REFRACTOMETER  
MODEL : LI-R501**

**Lasany<sup>®</sup>**

**DIGITAL  
ABBE REFRACTOMETER  
MODEL : LI-R501**



**APPLICATIONS**

- Petroleum,
- Chemical,
- Pharmaceutical,
- Sugar refining
- Food Industries,
- Teaching in Colleges & Universities

**Lasany International**



**Mob:** +91-9357947917,+91-8725830111,  
**Email:** sales@lasanyspectrophotometers.com  
**Website:** www.lasanyspectrophotometers.com  
www.spectrophotometers.in  
www.spectrophotometersindia.com  
**Skype ID:** lasany.international



**Perfection in  
Laboratory Science**

**CE** ISO 9001:2008  
Certified Company

This instrument can widely be used in petroleum, chemical, pharmaceutical, sugar refining and food industries, as well as in related colleges, universities and scientific research institutions for measuring the refractive index ND of transparent or subtransparent liquid or solid substance. This instrument can also be used to measure Brix (BX) of the sugar solution, and to correct the affect of temperature on the Brix automatically. In addition the instrument can display the temperature of the sample.

**Characteristics**

- Measurement of refractive index nD of transparent or translucent liquid and solid substances.
- Measurement of the Brix of sugar solution.
- Visual aim and LCD display.
- Automatic correction of the effect of temperature on the Brix.
- Prism made of hard glass.
- Rs232

**Specifications**

<b>MODEL</b>	<b>LI-R501</b>
<b>Measurement range</b>	<b>nD 1.30000- 1.70000</b>
	<b>Brix: 0-100%</b>
<b>Measuring Accuracy</b>	<b>nD ±0.0002</b>
	<b>Brix ±0.1%</b>
<b>Measuring Resolution(nD)</b>	<b>±0.0001</b>
<b>Temperature Range (Min. 0.1° C)</b>	<b>0-50° C</b>
<b>Weight (Gross)</b>	<b>12kg</b>
<b>Overall Dimensions</b>	<b>370mm x 240mm x 470mm</b>



**MEASURING MODES**

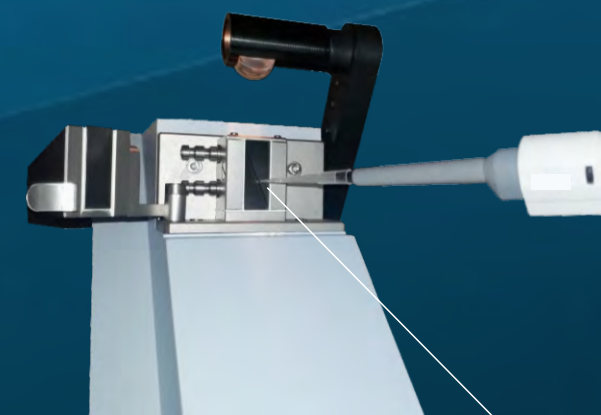
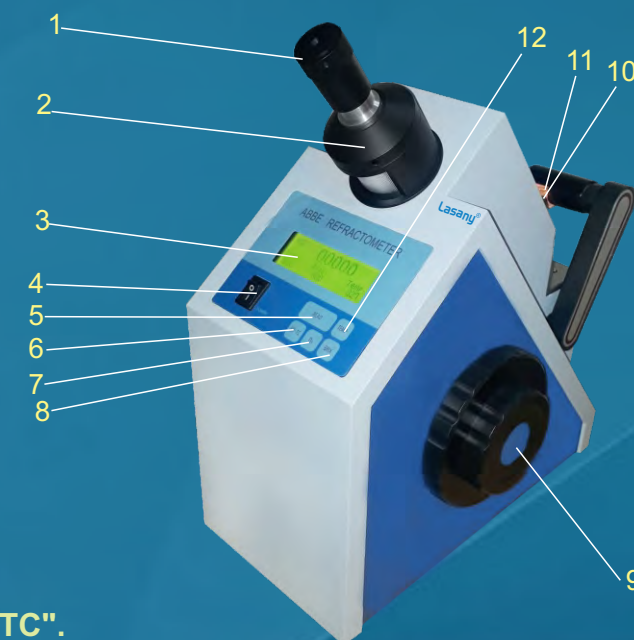
- 1.Refractive Index
- 2.Brix of sugar solution
- 3.Brix TC of sugar solution
- 4.Automatic detect Temp. shown in display

**Control Panel**

1. Monocular system.
2. Telescope adjustment.
3. Digital display.
4. Mains switch "POWER".
5. Push button "READ".
6. Push button for Brix with temperature correction "Bx - TC".
7. Push button for the refractive index " D".
8. Push button for Brix without temperature correction "Bx".
9. Optical control.
10. Light intensity unit.
11. Refractometer prism.
12. Push button for temperature indicating. "TEMP".

Supplied complete with dust cover and maintenance box that includes:

- 1 calibration standard,
- 1 Hex key,
- 3 lamps 6.3V, 0.25 A.
- 3 fuses 1 A.
- 1 RS-232 Cable
- 1 Software CD Manual
- 1 Main Lead
- 1 Operating Manual
- 1 Dust cover



Insert sample