

LABWAN Automatic ABBE Digital Refractometer With Software (Touch Screen)**Product Description**

The LABWAN Automatic ABBE Digital Refractometer (Touch Screen) is a fully automatic precision instrument designed for measuring refractive index and Brix of sugar solutions. Its touch-screen operation, automatic temperature correction, rapid 2-second reading time and memory capacity of up to 1024 results make it suitable for accurate and efficient laboratory analysis.

Features

- Fully automatic measuring system
- Touch Screen display
- Measures the Brix of sugar solution
- Displays the temperature of the sample
- Automatically corrects the effect of temperature on Brix
- Memory capacity up to 1024 results
- Reading time of 2 seconds
- Calibration password protected
- Easy-to-clean prism and simple operation
- User-settable scan times, type, revise, Sample ID and calendar

**LI-R502**

Technical Specification

Parameter	Specification
Product Name	Automatic ABBE Digital Refractometer (Touch Screen)
Model Number	LI-R502
Measuring Range	Refractive Index nD: 1.30000–1.70000; Brix (BX): 0–100%
Measuring Accuracy	Refractive Index nD: ± 0.0002 ; Dissolved Solids Brix: $\pm 0.1\%$
Measuring Resolution	Refractive Index nD: ± 0.00001 ; Dissolved Solids Brix: $\pm 0.01\%$
Interface	RS232 / USB
Display	7 inch color touch screen
Memory	Up to 1024 results
Reading Time	2 seconds
Overall Dimensions	500 mm × 330 mm × 220 mm
Weight	9 kg

Characteristics

- Full automatic measuring to minimize personal error
- Touch Screen operation
- Temperature display and automatic correction
- Data saving function
- RS232/USB interface

Applications & Uses

- Sugar and sugar-solution analysis
- Food and beverage quality control
- Chemical laboratory analysis
- Pharmaceutical laboratory applications
- Research and educational laboratories
- Refractive-index measurement of liquid and solid samples