

LABWAN Touch Screen ABBE Digital Refractometer

Product Description

LABWAN Touch Screen ABBE Digital Refractometer is a precision optical instrument for measuring refractive index (nD) of transparent or translucent liquid and solid substances and for determining Brix of sugar solutions. It features a colour touch screen, hard-glass prism and a 589 nm LED light source.

Features

- Colour touch screen display
- Refractive index (nD) and Brix measurement
- Automatic correction of temperature effect on Brix
- Hard-glass prism
- 589 nm wavelength with LED light source
- 8 measurement methods
- RS232 and USB interfaces
- 500-set data storage

Application/Uses

- Brix measurement of sugar solutions
- Food and beverage quality testing
- Pharmaceutical and chemical laboratory analysis
- Research and routine laboratory testing
- Identification and purity testing of laboratory samples
- Measurement of refractive index of transparent or translucent liquids and solids



Technical Specifications

Parameter	Specification
Product Name	Touch Screen ABBE Digital Refractometer
Model Number	LI-R502
Measuring Range	Refractive index (nD): 1.30000–1.72000; Brix: 0–100%
Measuring Accuracy	Refractive index (nD): ± 0.0002 ; Brix: $\pm 0.1\%$
Resolution	Refractive index (nD): 0.00001; Brix: 0.01%
Measuring Methods	8 types
Temperature Display Range	(Min. 0.1°C) –20–120°C
Display	Color touch screen
Interface	RS232, USB
Data Storage	500 sets
Power Supply	220V, 50Hz, 50W
Package Dimensions	370 mm × 240 mm × 470 mm
Weight (Gross)	10 kg

Standard Accessories

- Main instrument
- Fuse
- SS knob for sample chamber
- Power cable
- Touch pen
- Instruction manual
- Test certificate