



Benchtop Refractometer LD-LBR-C11

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Overview

The LD-LBR-C1 series is a is an automatic digital refractometer series for precise refractive index and brix measurement of liquid samples. It is designed for reliable routine testing and advanced laboratory analysis across various industries.

Features:

- Automatic measurement process reduces operator dependency
- Easy-to-use interface simplifies routine testing
- Non-destructive analysis requires only a small quantity of sample
- Quick cleaning and sample replacement between measurements
- Measurement results can be conveniently recorded and managed
- Supports consistent testing for quality-control workflows
- Suitable for different laboratory and industrial environments
- Robust benchtop construction for regular daily operation

Applications:

Suitable for food and beverage, pharmaceutical, chemical, petroleum, cosmetics, paint, sugar, geological and research laboratories for concentration analysis, product inspection and quality control.

Specifications:

Display	7-inch TFT Colour Touchscreen
Dimensions	365 × 300 × 150 mm
Interfaces	RS232, USB, SD Card, U Disk, Ethernet, Wi-Fi
Net Weight	12 kg
Data Storage	4 GB
Light Source	High-brightness LED
Power Supply	110–240 V, 12 V / 10 A
Brix Accuracy	±0.1 %
Brix Resolution	0.1 / 0.01 %
Measuring Prism	Sapphire
Power Consumption	45 W
Brix Measuring Range	0–100 %
Refractive Index Accuracy	±0.0001 nD

Temperature Control Range	5–80 °C
Temperature Control Method	Built-in semiconductor / Peltier
Refractive Index Resolution	0.0001 / 0.00001 nD
Temperature Measuring Range	0–100 °C
Temperature Control Accuracy	±0.02 °C
Refractive Index Measuring Range	1.30000–1.70000 nD