



Benchtop Refractometer LD-LBR-B11

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Overview

Benchtop refractometer LD-LBR-B11 is an automated unit with high performance linear CCD sensor. Adopts high precision signal collection and analysis technology with semiconductor part temperature control system. Equipped with a sapphire prism for precise refraction and TFT colour touch screen. It measures the refractive index and determines the sugar content of various liquids.

Features:

- Improved accuracy and stability with built in temperature controller
- Equipped with double temperature control, sapphire prism
- 7 inch TFT colour touch screen
- High resolution CCD sensor for signal collection
- LED light source
- Data statistical retrieval and network printing supported
- Management for Multi-level authority

Applications:

Used for determination of refractive index and sugar content in liquid as well as solid samples in laboratories, brewing and food industry, chemical industry, research institutes, pharmaceuticals, cosmetic industry, petroleum industry, etc.

Specifications:

Weight	5 kgs
Dimension	360 x 300 x 155 mm
Brix Range	0.0 ~ 100 %
Wavelength	589 nm
Sample Cell	Stainless Steel
Light Source	LED
Power Supply	220 V / 60 Hz
Brix Accuracy	±0.1 %
Measuring Range	1.3000 nD ~ 1.7000 nD
Temperature Control Range	5 °C – 65 °C
Refractive Index Precision	±0.0002
Temperature Control Method	Built-in Peltier
Refractive Index Resolution	0.0001 nD

Temperature Control Stability	± 0.03 °C
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