



## **Digital Refractometer LD-LDRF-A11**

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# Digital Refractometer LD-LDRF-A11

## Overview

Digital Refractometer LDRF-A11 is a benchtop unit used to measure refractive index, average dispersion of transparent or translucent solid, liquid substances and also to measure percent of sugar in solutions. Features LCD display, optical index-plate reading, tough prism etc. to ensure accurate measurements. It is used in medical laboratories, chemical laboratories, microbiology, clinical research, hydrology, food processing etc.

## Features:

- Measures refractive index and average dispersion of translucent and transparent solids and liquids
- Measures percentage of sugar in solution
- LCD display
- Optical index-plate reading
- Temperature Display
- Tough glass prism
- Fine adjustment knobs
- Round supporting platform
- Two eyepiece

## Applications:

It is widely used in clinical research, food and beverage manufacturing units, oil and petroleum industry, flavour and fragrance industry, quality control units, chemical industries etc.

## Specifications:

|                                                 |                   |
|-------------------------------------------------|-------------------|
| <b>Accuracy</b>                                 | ± 0.0003          |
| <b>Net Weight</b>                               | 4.5 kg            |
| <b>Overall dimension</b>                        | 240 ×100 × 390 mm |
| <b>Magnification of reading objective</b>       | 22X               |
| <b>Magnification of telescope objective</b>     | 2X                |
| <b>Measuring range of refractive index nD</b>   | 1.3000 to 1.7000  |
| <b>Measuring range of Dissolved Solids Brix</b> | 0 to 95%          |