



KLABS KDAR-17000 Digital Abbe Refractometer



Product Description

KLABS KDAR-17000 Digital Abbe Refractometer is designed for accurate measurement of refractive index and Brix value of transparent or translucent liquids and solid substances. The instrument features LCD display, automatic temperature compensation, visual aiming system and RS232 connectivity for laboratory analysis.

Features

- Measurement of refractive index (nD) of transparent or translucent liquid and solid substances
- Measurement of Brix of sugar solution
- Visual aim and LCD display
- Automatic correction of temperature effect on Brix
- Hard glass prism
- RS232 interface

Application/Uses

- Sugar Industry Testing
- Food & Beverage Analysis
- Chemical Laboratories
- Pharmaceutical Laboratories
- Research & Development Laboratories
- Quality Control Laboratories
- Refractive Index & Brix Measurement

Standard Accessories

- | | |
|--------------------------|----------------------|
| • 1 Calibration Standard | • 1 Software |
| • 1 Hex Key | • 1 Main Lead |
| • 3 Lamps (6.3V, 0.25A) | • 1 Operating Manual |
| • 3 Fuses (1A) | • 1 Dust Cove |
| • 1 RS-232 Cable | |



LCD
DISPLAY



ACCURATE
& STABLE



SOFTWARE
CONTROL SYS.



EASY
OPERATION



USB
CONNECTIVITY

Technical Specifications

Parameter	Details
Product Name	Digital Abbe Refractometer
Model Number	KDAR-17000
Measuring Modes	1. Refractive Index 2. Brix of Sugar Solution 3. Brix TC of Sugar Solution 4. Automat Detect Temperature shown in Display
Measurement Range	nD: 1.30000 – 1.70000, Brix: 0 – 100%
Measuring Accuracy	nD ± 0.0002 , Brix $\pm 0.1\%$
Measuring Resolution (nD)	± 0.0001
Temperature Range	0 – 50°C
Display	Visual Aim and LCD Display
Printer Interface	RS232
Power Supply	230 VAC $\pm 10\%$, 50 Hz
Weight (Gross)	12 kg
Overall Dimensions	370 × 240 × 470 mm