



Digital ABBE Refractometer



Description

The KLABS Digital Abbe Refractometer (Model: KDAR-1700) is a precision analytical instrument designed for accurate measurement of refractive index (nD) and Brix values in liquids and solid samples. It is widely used in laboratories and industries where precise concentration and purity analysis is required.

The instrument features a high-quality optical system with a durable glass prism and an easy-to-read LCD display for clear observation and measurement. It is equipped with automatic temperature compensation for Brix measurement, ensuring reliable and consistent results under varying conditions.

With its robust construction, user-friendly interface, and high accuracy, the KDAR-1700 is suitable for chemical laboratories, food and beverage industries, pharmaceutical applications, and quality control processes.



KDAR-1700

Features

- Measurement of refractive index (nD) of liquids and solids
- Measurement of Brix value of sugar solutions
- High quality hard glass prism
- Clear visual aiming system with LCD display
- Automatic temperature compensation for Brix measurement
- Printer interface for direct data printout
- High accuracy and reliable performance

Applications

- Chemical laboratories
- Food and beverage industry
- Sugar industry
- Pharmaceutical laboratories
- Research institutes
- Quality control laboratories

Uses

- Laboratory testing
- Quality control laboratories
- Chemical analysis
- Sugar concentration measurement

Technical Specifications

Parameter	Specification
Product Name	Digital Abbe Refractometer
Model	KDAR-1700
Refractive Index (nD) Range	1.300 – 1.700
Brix Range	0 – 100 %
Refractive Index Accuracy	±0.0002
Brix Accuracy	±0.1 %
Temperature Resolution	0.1 °C
Temperature Range	0 °C – 50 °C
Brix vs Temperature Range	15 °C – 45 °C
Usage Temperature Range	Ambient to 35 °C
Interface	RS232C
Power Supply	AC 220 V / 50 Hz
Packing Dimension (L × W × H)	370 × 240 × 470 mm
Gross Weight	12 kg
HSN Code	90275030