

RI-200 Portable Digital Refractometer



RI-200

Product Overview

Accurate and affordable benchtop refractive index measurements can be yours with the RI-200 Benchtop Digital Refractometer from Eagle Eye Power Solutions. The space-saving, feature-packed design allows for accurate determination of refractive index related parameters in all kinds of liquid samples. The RI-200 Refractometer is fast, convenient, and easy to use. Simply put a few drops of the fluid to be measured on the sample prism, close the protective lid of the measuring cell and press the "Read" button. The custom-designed microprocessor delivers a nearly instantaneous readout of refractive index, BRIX, alcohol, specific gravity or concentration of the sample liquid to enable quick and easy monitoring and quality control of your products. With dozens of scales to choose from and a lightweight battery-operated design, you can measure an endless variety of fluids in the laboratory, out in the field or on the production floor.

The large 5 inch LCD display is easy to read, even in dim light, and removes the subjectivity associated with interpreting where a boundary line crosses tiny scale divisions.

Calibration is automatic and does not require the use of special calibration solutions or tools. The RI-200 Refractometer automatically calibrates itself with water and is ready to use in seconds. No screws to turn and nothing to adjust.

Clean-up is simple and easy. Just wipe the prism with a cloth and you are ready for the next sample. Furthermore, there are no moving parts to clean, replace or maintain. Upkeep is easy and extremely cost-effective, resulting in a long life and many years of repeated use.

Portable and rugged: The RI-200 Kit includes a rechargeable lithium ion battery and comes with a heavy-duty, foam-lined hard case for transport and use in challenging environments.

The RI-200 Benchtop Digital Refractometer is a technologically-advanced device that puts laboratory-grade precision in the palm of your hand. Backed by the legendary support from our instrumentation experts, it is exactly the kind of cutting-edge equipment you would expect from Eagle Eye Power Solutions.

Kit Includes

- RI-200 refractometer
- Carrying Case
- Plastic pipettor
- 1 rechargeable battery
- Instructions

Technical Specifications

Optic Material:	Sapphire	Temperature Range:	0 to 40 °C (32 to 104 °F)
Measuring Range:	Specific Gravity: 1.000 – 1.500 nD: 1.3300 – 1.5290 BRIX: 0 – 94%	Power Source:	One (1) rechargeable Lithium ion battery
Datalogging:	No	Dimensions:	180 x 100 x 55 mm (7.1 x 3.9 x 2.2 in.)
Evaporation/Sample Cap:	Yes	Weight:	365 grams (12.9 oz.)
Light Source:	Precision LED @ 589.3 nm	User Calibration Points:	1
Display Type:	LCD	Body Color:	White
Available Scales:	Over 45 scales	Body Material:	Plastic
Display Backlight:	Yes	Protection Class:	IP65
Measuring Time:	About 2 seconds	User Messages:	Text-Based
Minimum Sample Amount:	0.4 mls	Approval & Certifications:	CE

Ordering Information

No.	Model #	Description
1	RI-200	Benchtop Digital Refractometer, Optional Datalogging Software Available