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**1-877-805-3377**



## RI-100 Portable Digital Refractometer



RI-100

### Product Overview

Refractive index measurements “on-the-go” have never been easier with the RI-100 Portable Digital Refractometer from Eagle Eye Power Solutions. The lightweight yet rugged design allows for accurate determination of refractive index related parameters in all kinds of liquid samples. The RI-100 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 for 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, you can measure an endless variety of fluids in the laboratory, out in the field or on the production floor.

The clear, crisp 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-100 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.

Durable and rugged: The RI-100 Kit includes a protective rubber housing and comes with a heavy-duty, foam-lined hard case for transport and use in challenging environments.

The RI-100 Portable 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.



RI-100 Kit

### Kit Includes

- RI-100 meter refractometer
- Protective rubber housing
- Carrying Case
- Plastic pipettor
- 1 AAA battery
- Instructions

### Technical Specifications

<b>Optic Material:</b>	Optical Glass	<b>Temperature Range:</b>	0 to 40 °C (32 to 104 °F)
<b>Measuring Range:</b>	Specific Gravity: 1.000 – 1.500 nD: 1.3300 – 1.5177 BRIX: 0 – 90%	<b>Power Source:</b>	One (1) AAA
<b>Datalogging:</b>	No	<b>Dimensions:</b>	58 x 25 x 121 mm (2.3 x 1 x 4.8 in.)
<b>Evaporation/Sample Cap:</b>	Yes	<b>Weight:</b>	90 grams (3.2 oz.)
<b>Light Source:</b>	Precision LED @ 589.3 nm	<b>User Calibration Points:</b>	1
<b>Display Type:</b>	LCD	<b>Body Color:</b>	Black
<b>Available Scales:</b>	Over 45 scales	<b>Body Material:</b>	Plastic
<b>Display Backlight:</b>	Yes	<b>Protection Class:</b>	IP65
<b>Measuring Time:</b>	About 2 seconds	<b>User Messages:</b>	Text-Based
<b>Minimum Sample Amount:</b>	0.2 mls	<b>Approval &amp; Certifications:</b>	CE

### Ordering Information

No.	Model #	Description
1	RI-100	Portable Digital Refractometer, Optional Datalogging Software Available