



Reichert *REFRACTIX* Refractometer Specifications

- Universal digital refractometer (1 model for Agriculture/Food/Beverage/Chemical/Veterinary/Automotive)
- Compact Dimensions: 17.6 cm x 7.3 cm x 4.2 cm (7" x 2.9" x 1.7")
- Weight: 250 grams (8.8 oz)
- 1500 CCD high resolution image sensor provides laboratory accuracy and precision
- Refractive Index Measurement Range: 1.3300 to 1.5600
- Refractive Index Accuracy: 0.0001
- Refractive Index Repeatability/Precision: 0.0001
- Brix/Concentration Measurement Range: 0.00 to 100.00
- Brix/Concentration Accuracy: 0.05
- Brix/Concentration Repeatability/Precision: 0.05
- Device ships with 50 custom measurement scales factory programmed
- Device memory allows for 200 additional measurement scales to be added using **RefractixSync** App
- Customer Unique Product names with QC reading limits
- Temperature Compensation Range: 10 to 40 degrees C (50 to 104 degrees F)
- Temperature Equilibration Detection and Stabilization
- Prism Temperature Measurement Accuracy: 0.2 degrees Celsius
- Large Color Touch Screen: 72mm diagonal / 58mm length / 44mm width
- Intuitive Graphical User Interface (GUI) on screen
- Touch Screen or Physical Key option to operate device
- Rechargeable 3.7v Li-Ion battery
- AC power universal rated 100-240V
- USB-C port and cable/power adapter supplied to charge battery
- Durable Sapphire Prism 4 times harder than a glass prism
- Shallow Stainless Steel Well depth for ease of cleaning
- Micro sample volume to take measurement
- 589nm wavelength LED light source
- IP65 Protection Class against dust and water
- Armor Protective Silicone Case
- USB-C wired and Bluetooth wireless connectivity
- Paperless Data Transfer – all measurements
- Measurement Reading Log stores last 5,000 readings date/time stamped that can be transmitted to PC
- Encrypted Communications, Secure Boot, Secure Firmware Update
- Software Updates in the field thru USB-C connection to **RefractixSync** site
- Hard Plastic Clam Shell Storage/Shipping Case
- Reichert Factory 2 Year Warranty
- Designed, Engineered, and Manufactured in the USA

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