

THE NEW

Reichert AR200 Digital Hand-held Refractometer

Reichert
**SAPPHIRE
TOUGH!**



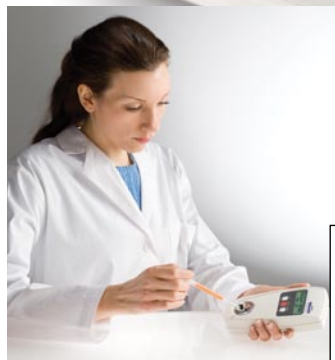
The performance of a lab instrument.
The ease and price of a hand-held.

Double the range and accuracy at half the cost of other hand-helds.

Reichert's **AR200** digital hand-held refractometer gives you lab accuracy with a hand-held unit: twice the accuracy, twice the range, at half the cost of other units. And it's easy to use. The state-of-the-art **AR200** digital hand-held measures refractive index, % solids as Brix, or concentration over a broad range: 1.3300-1.5600 nD (0 to 95% Brix) with exacting accuracy to ± 0.0001 nD ($\pm 0.1\%$ Brix).

Compact, powerful, and sapphire tough!

The **AR200** is engineered with a new sapphire prism that delivers 2.5x more conductivity to temperature than a conventional glass prism, providing greater accuracy of the Automatic Temperature Compensation (ATC) calculation. The result? A more precise measurement every time! Four times harder than glass, the sapphire prism is resistant to demanding applications, providing lasting durability and service over the life of the refractometer.



AR200 Refractometer with optional IR Communication Package allows for Reading Log, Calibration Log, and Custom Scale transfer to any PC.

Reichert AR200 Technical Specifications	
Catalog Number	13950000
Reading Range	1.3300 to 1.5600 Refractive Index 0.0 to 95.0% Brix
Scales	Refractive Index, Brix, Up to 3 User Definable
Precision	0.0001 Refractive Index, 0.1 Brix
Calibration	Set Point or Set Point/Span User Definable
Prism Assembly	Sapphire in Stainless Steel Well
User Interface	Simple, Effective 3-Button Operation
I/O	IR Docking Station via RS-232-C Serial Port
Warranty	2 Years
Power	4-AAA Alkaline Batteries Included
Battery Life	3000+ Readings with Auto-Off Sleep Mode
Dimensions	7" L x 3.75" W x 1.37" H (18 x 9 x 3.5 cm)
Accessories	13951000 - IR Communications Package (Docking Station and Software) 13952000 - AR200 with IR Communications Package
Additional Features	Electronics Reading Log of the last 225 Readings and Current Calibration Log

Features to meet all your testing requirements.

Computer interface capability, custom scale programming (such as HFCS, salinity, and others), and Automatic Temperature Compensation make the **AR200** the instrument of choice to meet all your testing requirements.

Reichert AR200 Digital Hand-held key features:

- **Wide reading range and multiple scales means one instrument, not many**
- **Exacting accuracy to ± 0.0001 nD or $\pm 0.1\%$ Brix**
- **Up to 3 custom scales may be programmed**
- **Software includes single or multi-point calibration, 4 reading modes, and adjustable contrast control**
- **New sapphire prism for greater durability and more accurate ATC calculation**
- **Optional IR Communication Package enables Reading Log, Calibration Log, and Custom Scale transfer to any lab PC**



Analytical Instruments
Innovative precision instruments for over a century

Reichert Provides Real World Solutions and Outstanding Value to Every Customer

Digital Benchtop Refractometers

AR7 Series



AR6 Series



r²i300



Part #	Description
13107000	AR700 AUTOMATIC REFRACTOMETER
13107700	AR70 AUTOMATIC REFRACTOMETER
13106000	AR600 AUTOMATIC REFRACTOMETER
13106600	AR60 AUTOMATIC REFRACTOMETER
13980000	r ² i300 AUTOMATIC REFRACTOMETER

Transmission Style Abbe Refractometers

Arias OptiMatrix 500



Abbe Mark III



Part #	Description
1310499SA	ARIAS OPTIMATRIX 500 SEMI-AUTOMATIC ABBE REFRACTOMETER
1310488M	Abbe MARK III REFRACTOMETER

Diagnostic/Laboratory Instruments

UNISTAT Bilirubinometer



Colony Counter



Part #	Description
1310310C	UNISTAT BILIRUBINOMETER 115V
1310311C	UNISTAT BILIRUBINOMETER 230V
13102140	SPECIMEN CUVETTES (51 PER PKG)
13332700	DIGITAL COLONY COUNTER 110V
13332800	DIGITAL COLONY COUNTER 220V
13332500	MANUAL COLONY COUNTER 110V
13332600	MANUAL COLONY COUNTER 220V

Digital Hand-Held Refractometers

r²mini



AR200/TS METER-D with Optional Communications Cradle

Part #	Description
13940000	r ² mini REFRACTOMETER
13950000	AR200 REFRACTOMETER
13952000	AR200 W/ IR COMMUNICATIONS PKG
13960000	TS METER-D CLINICAL REFRACTOMETER
13962000	TS METER-D CLINICAL W/ IR COMMUNICATIONS PKG

Hand-Held Refractometers

Rhino Model

Goldberg w/Optional Illuminated Stand



HP Model

Part #	Description
13104230	GOLDBERG BRIX 0-30
13104190	GOLDBERG SALINITY METER
1310400A	GOLDBERG TS METER
13104060	GOLDBERG ILLUMINATED TABLE STAND 110V
13104080	GOLDBERG ILLUMINATED TABLE STAND 220V
13740000	TS400 HP CLINICAL REFRACTOMETER
13851500	15HP 0-15 BRIX
13853500	35HP 0-35 BRIX
13856500	65HP 35-65 BRIX
13859000	90HP 65-90 BRIX
13851000	IFT10HP INDUSTRIAL FLUID TESTER
13759600	BC3 HP BRAKE-CHEK
137596C0	BC3C HP BRAKE-CHEK
13759510	BC4 HP BRAKE-CHEK (USA)
13759500	BC4 HP BRAKE-CHEK (European)
137530L0	RHINO 0-30 BRIX
137531L0	RHINO 0-50 BRIX
137533L0	RHINO 50-90 BRIX
137564L0	RHINO DC60 COOLANT DEG C
137584L0	RHINO DC70 COOLANT DEG F
13754000	RHINO IFT40 INDUSTRIAL FLUID TESTER
137536L0	RHINO VET360 TS METER
137528L0	RHINO OE200 WINE TESTER



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