

# Reichert Goldberg Food and Beverage Refractometers



## Reichert's Exclusive Liquid Filled Prism Technology delivers Laboratory Precision in the Palm of Your Hand.

**The Goldberg Series hand-held Brix and Salinity refractometers** provide accuracy comparable to most laboratory Abbe refractometers.

- % Solids (Brix) better than 0.1%
- Parts per thousand salinity to better than 1 ppt

Automatic temperature compensation provides accurate, reproducible results instantly using our exclusive hermetically sealed, liquid-filled prism that changes index with temperature. Accuracy and reproducibility are comparable to those of more costly bench-type Abbe refractometers. No other hand-held refractometer offers such an exacting and precise compensation method.



### Create a Partnership in Precision

All of our refractometers come with world-class customer service and technical assistance. Whether you're measuring Brix, RI, or a custom scale, Reichert will work with you to ensure your Reichert Refractometer exceeds your expectations.



Innovative precision instruments for over a century



### Salinity Tester Key Features

- Rapid, reliable refractive index and salinity readings of total dissolved solids in aqueous solutions on a 0-160 ppt scale.
- Reichert's exclusive hermetically sealed, liquid-filled prism ensures extreme accuracy.

### Salinity Tester Applications

- Can be used to check and maintain stock solutions and dilutions.
- In the food industry, it is especially effective in the preparation of frozen vegetables, fruits, seafood and ocean by-products.

### Brix Tester Key Features

- Measures % Solids (Brix) in water-soluble solutions on a 0-30° scale.
- Reichert's exclusive hermetically sealed, liquid-filled prism ensures extreme accuracy.

### Brix Tester Applications

- Ideal for the production of soft drinks, fruit juices, wine and beer, it is also used for quality control in beverage dispensing equipment and vending machines.
- Additional applications include checking dissolved sugar levels to determine fruit ripeness.
- Assures harvesting is done at the optimum time.

### Goldberg Series Hand-Held Technical Specifications

Model	Salinity Tester	Brix Tester
Catalog No.	13104190	13104230
Range	0-160 ppt Salinity, 1.3330 to 1.3730 nD	0 - 30% Brix
Scale Division	2ppt, 0.0002nD	0.1%
Accuracy	±0.3 ppt <sup>1</sup>	±0.1%
Refractive Index	1.3330 - 1.3730	1.3330 - 1.3811
Calibration Liquid	Distilled Water	Distilled Water

### Goldberg Series Hand-Held Accessories

13104060	Illuminated Table Stand, 110V
13104080	Illuminated Table Stand, 220V

## Digital Benchtop Refractometers

AR7 Series

AR6 Series

r<sup>2</sup>i300



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

## Digital Hand-Held Refractometers

r<sup>2</sup>mini

AR200/TS METER-D  
with Optional  
Communications Cradle



Part #	Description
13940000	r <sup>2</sup> 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

## 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

## 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

## 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



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