

# Reichert Abbe Mark III Refractometer

The Tradition of Excellence Continues!



## Superior Quality, Durability, and Reliability!

The Reichert **Abbe Mark III** is the new standard-bearer of **Abbe-style manual refractometers**. The Mark III continues the **tradition of quality, durability, & reliability** established by the Mark II. The **Abbe Mark III** has many advanced upgrades, including menu-driven operation, LCD display, and internal LEDs for long-life illumination. The **Abbe Mark III** meets the rigorous testing requirements of various industries, including Food, Beverage, Chemical, Pharmaceutical, and Petroleum.

### Custom Applications

Customize the **Abbe Mark III** to fit most application needs. In addition to the %Brix and Refractive Index (RI) scales, the **Abbe Mark III** can hold up to **14 custom scales**, all with or without Automatic Temperature Correction.

### Reichert Abbe Mark III Key Features:

- **Internal LEDs For long-life illumination**
- **Automatic Temperature Correction between 10°C and 40°C**
- **Lighted LCD Display**
- **Multiple measurement scales - holds Up to 14 Custom Scales**
- **Multilingual Menus - English, Spanish, German and French**
- **Automatic Temperature Equilibration detection**
- **Ports for connecting an external circulator**
- **Connect to PC via RS-232 ports**



### Reichert ABBE MARK III Technical Specifications

<b>Catalog No.</b>	1310488M
<b>Model</b>	Reichert Abbe Mark III Manual Transmitted Light Refractometer
<b>RI Reading Range</b>	1.3106 to 1.7000 $n_D$ / $\pm 0.0001 n_D$
<b>Brix Range/Accuracy</b>	0.0 to 95.0% (per ICUMSA) / $\pm 0.1\%$
<b>Temperature Control Method</b>	External Bath Circulator (not included)
<b>Temperature Control Range</b>	10°C to 80°C
<b>Temperature Compensation Range</b>	10°C to 40°C
<b>Calibration</b>	Set Point or Set Point/Span User Defined
<b>Prism Assembly</b>	Glass Prism sealed with epoxy in Stainless Steel Housing
<b>Power</b>	110V/220V, 50 Hz/60 Hz
<b>Warranty</b>	2 Years

### 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.



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



Part #	Description
13107000	AR700 AUTOMATIC REFRACTOMETER
13107700	AR70 AUTOMATIC REFRACTOMETER
13106000	AR600 AUTOMATIC REFRACTOMETER
13106600	AR60 AUTOMATIC REFRACTOMETER
13980000	r <i>i</i> 300 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

r*mini*



AR200/TS METER-D with Optional Communications Cradle

Part #	Description
13940000	r <i>mini</i> 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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