

Portable Brix Refractometer



Portable brix refractometer is a microprocessor controlled pocket sized optical instrument that provides instant measurement readings. Automatic temperature compensation (ATC) eliminates temperature corrections between 0 °C to 40 °C. Automatic power off post one minute of last operation prolongs it's battery life. Ideal for determining brix concentration of fruits, beverages, oils and organic solvents.

Features

- ◆ Microprocessor controlled
- ◆ LCD screen to display measurement data in one view
- ◆ Three scales of measurement
- ◆ Standardized Brix scale for easy read and accuracy
- ◆ Automatic and zero calibration with distilled or tap water
- ◆ Abrasion and corrosion-resistant coating on sapphire prism
- ◆ Automatically turns off after 1 minute of non-use

Applications

Used for measuring concentration of sugar in the food and beverage industry, laboratories, research institutes, brewing industry, agriculture, etc.

Specifications

Model	LPBR-A10
Brix range	0.0 ~ 50 %
Refractive index	1.3330 nD ~ 1.4200 nD
Brix resolution	0.1 %
Refractive index resolution	0.0001 nD
Temperature	0 °C ~ 50 °C
ATC	0 °C ~ 40 °C (32 °F ~ 104 °F)
Brix accuracy	± 0.2 %
Refractive index accuracy	±0.0003 nD
Battery	1.5 V
Dimensions	121 × 58 × 25 mm
Weight	90 grams

Model	LPBR-A11
Brix range	0.0 ~ 90 %
Refractive index	1.3330 nD ~ 1.5177 nD
Brix resolution	0.1 %
Refractive index resolution	0.0001 nD
Minimum divisions	0.0001
Temperature	0 °C ~ 50 °C
Brix accuracy	± 0.2 %
Refractive index accuracy	±0.0003 nD
Battery	1.5 V
Dimensions	121 × 58 × 25 mm
Weight	90 grams

Portable Brix Refractometer

Model	LPBR-A12
Refractive Index	1.3330 nD ~ 1.4200 nD
Dextran	0.0 ~ 10.6 %
Fructose	0.0 ~ 68.9 %
Glucose	0.0 ~ 59.9 %
Lactose	0.0 ~ 16.5 %
Maltose	0.0 ~ 15.6 %
Temperature	0 °C ~ 50 °C
ATC	0 °C ~ 40 °C (32 °F ~ 104 °F)
Battery	1.5 V
Dimensions	121 × 58 × 25 mm
Weight	90 grams

Portable brix refractometer LPBR-A20 is a versatile pocket sized optical instrument that provides instant measurement readings. LCD screen displays measurement data in one view. Equipped with standardized Brix scale for easy read and accuracy. Ideal for determining brix concentration, Oe and KMW of cowberry fruit juice. It also measures alcohol concentration in fruit wine.

Features

- ◆ Microprocessor controlled
- ◆ Digital meter displays easy to read results.
- ◆ Automatic and zero calibration with distilled or tap water
- ◆ Abrasion and corrosion-resistant coating on sapphire prism
- ◆ Automatically turns off after 1 minute of non-use

Applications

Used in chemical industry, laboratories, research institutes, food and beverage industry, liquor industry, etc.

Specifications

Model	LPBR-A20
Brix range	0.0 ~ 45 %
Oe	3.0 ~ 150
KMW	0.0 ~ 25
Volume	0.0 ~ 22 %
Temperature	0 °C ~ 50 °C
Battery	1.5 V
Dimensions	121 × 58 × 25 mm
Weight	90 grams

Portable brix refractometer LPBR-A30 is a versatile pocket sized optical instrument that provides instant measurement readings. Digital meter displays easy to read results. Automatic power off post one minute of last operation prolongs it's battery life. Ideal for measuring wort (brewing) or ferment for brandy.

Features

- ◆ Microprocessor controlled
- ◆ LCD screen to display measurement data in one view
- ◆ Standardized Brix scale for easy read and accuracy
- ◆ Automatic and zero calibration with distilled or tap water
- ◆ Abrasion and corrosion-resistant coating on sapphire prism
- ◆ Automatically turns off after 1 minute of non-use

Applications

Used in chemical industry, laboratories, research institutes, food and beverage industry, liquor industry, etc.

Specifications

Model	LPBR-A30
Brix Range	0.0 ~ 50.0 %
Wort	1.000 ~ 1.130
Resolution	0.1 %
Temperature	0 °C ~ 50 °C
Battery	1.5 V
Dimensions	121 × 58 × 25 mm
Weight	90 grams