



## REFRACTOMETER

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Biolab Refractometer is equipped with high-performance CCD light-sensitive part, it can automatically measure the refractive index(nD) of transparent, translucent, dark, viscous and other types liquid sample, also can measure sugar degree(Brix) of sugar solution. It's accurate, reliable, fast, easy operation.

Used in Mostly used in scientific research institute, petroleum, oil, pharmaceutical, paints, food, daily chemical, sugar and geological prospecting industries..

Also known as Refractometer.

## BREF-101 REFRACTOMETER



Peltier accurate temperature control system is built-in, accuracy up to 0.02°C. High-resolution CCD detector offers automatic measurement, avoiding personal errors, having higher accuracy; transparent, translucent liquids or ropiness liquidssamples are all available. High brightness LED light source with service life more than 100000 hours. 7-inch colour touch screen with Android system and 4GB RAM let methods and data expanding excellent.

## SPECIFICATIONS

Model	BREF-101
Refractive index measuring range (nD)	1.30000-1.70000
Measured value error (nD)	±0.0001
Measurement resolution (nD)	0.00001
Scope of sugar solution mass fraction (Brix)	0-100%
Measured value error (Brix)	±0.1%
Measurement resolution (Brix)	0.1% / 0.01%
Temperature control mode	Peltier
Scope of temperature measuring	0-100°C
Temperature control range	5-80 °C
Temperature control accuracy	±0.02 °C
Interface	RS232/USB/SD card/U disk/Internet/wi-fi
Data storage capacity	4GB
Display modes	7 inches, TFT touch screen
Power supply(Power adapter)	110V~240V(12V,10A)
Power	45W
Net weight	5kg
Dimensions	365mmX300mmX150mm

# BREF-102 REFRACTOMETER



Peltier accurate temperature control system is built-in, accuracy up to 0.1°C. High-resolution CCD detector offers automatic measurement, avoiding personal errors, having higher accuracy; transparent, translucent liquids or ropiness liquids samples are all available. High brightness LED light source with service life more than 100000 hours. 7-inch colour touch screen with Android system and 4GB RAM let methods and data expanding excellent.

## SPECIFICATIONS

Model	BREF-102
Refractive index measuring range (nD)	1.3000-1.7000
Measured value error (nD)	±0.0002
Measurement resolution (nD)	0.0001
Scope of sugar solution mass fraction (Brix)	0-100%
Measured value error (Brix)	±0.1%
Measurement resolution (Brix)	0.10%
Temperature control mode	Peltier
Scope of temperature measuring	0-100°C
Temperature control range	10-50 °C
Temperature control accuracy	±0.1 °C
Interface	RS232/USB/SD card/U disk/Internet
Data storage capacity	4GB
Display modes	7 inches, TFT touch screen
Power supply(Power adapter)	110V~240V(12V,10A)
Power	45W
Net weight	5kg
Dimensions	365mmX300mmX150mm



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