

## Refractometer



### Introduction:

The automatic refractometer is equipped with high-performance line array CCD photosensitive components, through high-speed, high-precision signal acquisition and analysis and processing technology, equipped with semiconductor Peltier super temperature control system. It can efficiently and highly accurately measure the refractive index (nD) and the mass fraction of the sugar solution, such as transparent, translucent, dark and sticky liquid (hammer Brix).

### Features:

- \* Built-in Peltier temperature control, improve accuracy and stability.
- \* LED cold light source instead of the traditional sodium lamp and halogen tungsten lamp.
- \* 7-inch touch: color screen, humanized operation interface.
- \* General Rules of the 2020 Chinese Pharmacopoeia 0622.
- \* Pharmacopoeia FDA function.

### Technical Parameters:

Model	BK-R30
Measuring Range	nD: 1.30000~1.70000 Brix: 0~100%
Measuring Accuracy	Refractive index nD: $\pm 0.0001$ Brix: $\pm 0.1\%$
Measuring Resolution	Refractive index nD: $\pm 0.0001$ Brix: $\pm 0.01\%$
Temperature Range	0~100°C
Temp. Control Range	5~75°C
Temperature Control Accuracy	$\pm 0.01^\circ\text{C}$
Temperature Control Mode	Peltier
Interface	USB, RS232, RJ 45, SD card, U disk
Display	7 inch color touch screen
Data Storage	32G
Power Supply	220V, 50Hz
Gross Weight	6kg
Package Size	340*400*320mm