




## IR100 Series Automatic Refractometers

Unique design and advanced software contributes:

 an automatic performance monitoring, compensating and warning system

- > Accuracy reached 5 decimal places
- > Large color touch screen
- > Both nD and Brix measurements
- > GLP mode
- > More measurement could be ordered (such as concentration based on nD)

Model		IR120	IR140	IR180
Specification				
Measuring range	nD	1.3000 - 1.7000	1.3000 - 1.7000	1.30000 - 1.70000
	Brix	0.0 - 100.0%	0.0 - 100.0%	0.00 - 100.00%
Resolution	nD	0.0001	0.0001	0.0001/0.00001
	Brix	0.1%	0.1%	0.1%/0.01%
Reproducibility	nD	±0.0002	±0.0002	±0.00002
	Brix	±0.1%	±0.1%	±0.02%
Temperature range		0-95°C	0-95°C	0-95°C
Temperature resolution		0.1°C	0.1°C	0.1°C
T. control model		Water bath(buy separately)	Water bath(buy separately) and Peltier	Water bath(buy separately) and Peltier
T. control range		--	5-80°C	5-80°C
T. control accuracy		--	±0.2°C	±0.2°C
Interface		RS232	RS232,USB	RS232,USB
Display		touch screen,color LCD	touch screen,color LCD	touch screen,color LCD
Database		100 groups data	500 groups data	1000 groups data
Prism		hard glass	artificial sapphire	artificial sapphire
Ordering information				
N.W. / G.W.		4kg / 5kg	4kg / 5kg	4kg / 5kg
Dimension(L*W*H)		36*24*15cm	36*24*15cm	36*24*15cm