

# IR100 Series Automatic Refractometers

## Optional Accessories List










Refractometer



- > 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)

Unique design and advanced software contributes:

 an automatic performance monitoring, compensating and warning system

Details	Application	Name	Configuration	Order number
	Sticky, low thermal conductive sample	S-cover		85300042
	Volatile sample	V-cover		85300111
		1.33nD standard solution		85300001
		1.42nD standard solution		85300002
		1.50nD standard solution		85300003
		1.65nD standard solution		85300004
	Printing	Insmark I printer		85300018
	Paper for printer	Plain paper	A set of 6 rolls	85300109
	On line data transfer to PC	IR_link SW package	CD*1 RS232-RS232 cable*1 RS232-USB converting cable*1	85300110

Specification		Type	IR120	IR140	IR180
Measuring range	nD		1.3000 - 1.7000	1.3000 - 1.7000	1.30000 - 1.70000
	Brix		0.0 - 95.0%	0.0 - 95.0%	0.00 - 95.00%
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	hard glass	artificial sapphire

### Ordering information

Order number	85000018	85000033	85000020
N.W. / G.W.	4kg / 5kg	4kg / 5kg	4kg / 5kg
Dimension(L*W*H)	36*24*15cm	36*24*15cm	36*24*15cm
With packing dimension	51*40*29cm	51*40*29cm	51*40*29cm
Configuration	IR120 Refractometer SW on CD(obtain data from database by PC) Identify your power cord from Page15	IR140 Refractometer 4G USB flash Identify your power cord from Page15	IR180 Refractometer 4G USB flash Identify your power cord from Page15