

## Automatic Polarimeter



### Introduction:

Polarimeter is an instrument for measuring the optical rotation of some substance. Through the measurement of optical rotation, it can analyze and determine the specific rotation, international sugar degree, concentration and purity of the substance, which is widely used in medicine, petroleum, food, chemical industry, flavor, fragrance, sugar and other industries as well as related universities and research institutes.

### Features:

- \* It can determine optical rotation, specific rotation, concentration, sugar degree.
- \* LED cold light source instead of traditional sodium lamp and halogen tungsten lamp.
- \* The measuring range is upgraded to  $\pm 89^\circ$  (Optical rotation), which improves the limitation of measuring samples.
- \* Fully automated systematic control, easy to operate.
- \* Wide color touch screen and innovative WINDOWS software interface make control and data reading more convenient, to meet the use of high-end users.

### Technical Parameters:

Model		BK-P210
Light Source		LED cold light source + high precision interference filter
Wavelength		589.3nm
Measurement Method		Single, multiple, continuous measurement methods
Measurement Range		Optical Rotation $\pm 89.99^\circ$ , sugar degree $\pm 257^\circ$
Optical Rotation	Least Count	0.001°
	Accuracy	$\pm 0.004^\circ$
	Repeatability	0.002°
Temperature	Temp. Range	0-100°C
	Temp. Resolution	0.1°C
	Temp. Accuracy	$\pm 0.1^\circ\text{C}$
Display		7 inch TFT touch color screen
Standard Test Tube		200mm, 100mm (Regular)
Optional		Test tube, printer
Transmittance		0.01%
Data Storage		1000 groups
File Export		PDF and Excel
Interface		USB, RS232
Power Supply		220V $\pm$ 22V, 50Hz $\pm$ 1Hz
Power		250W
Net Weight		21.4kg
Gross Weight		30kg
Package Size(L*W*H)		820*475*465mm