

## P850 Automatic Polarimeter

P850 includes built-in Peltier precise temperature control system.

P Series Polarimeter with automatic photoelectric inspection technology and WINDOWS HMI system, boasts accurate and reliable measurement, convenient operation and so on. By detecting the optical rotation, the density, content and purity of substances etc. can be analyzed and determined. It's widely used in medicine, petroleum, food, chemicals, flavors, spices, sugar marking, other industries and universities and research institutes.

Characteristics:

- \* P850 Automatic photoelectric inspection technique and built-in Peltier precise temperature control system ensure measurement accuracy and stability;
- \* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition;
- \* High brightness LED lights with service life exceeding 100000 hours;
- \* A variety of measurement modes are optional, without using complicated manual calculation;
- \* Extremely large storage capacity can store up to 1000 groups of data information automatically.

Spec:

range	±89.99°
	±259°Z
Min. reading	0.001°(optical rotation)
Accuracy	±0.01° (-45°≤ optical rotation ≤ +45°)
	±0.02°(optical rotation<-45° or optical rotation>+45°)
Repeatability (standard deviation s)	0.002°(optical rotation)
Measurable sample min.transmittance	1%
Working wavelength	589.3nm (sodium D spectrum)
Temperature control mode	built-in semiconductor
Temperature control range	15°C-30°C
Temperature control accuracy	±0.3°C
Temperature resolution	0.1°C
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6" TFT touch screen
Power supply	220VAC±10% 50Hz
Sample Chamber	Accepts sample tubes up to 200mm
Power	250W
Net weight	26kg
Dimension	708mm*330mm*287mm



## P850A Automatic Polarimeter

P850A includes built-in Peltier precise temperature control system. P Series Polarimeter with automatic photoelectric inspection technology and WINDOWS HMI system, boasts accurate and reliable measurement, convenient operation and so on. By detecting the optical rotation, the density, content and purity of substances etc. can be analyzed and determined. It's widely used in medicine, petroleum, food, chemicals, flavors, spices, sugar marking, other industries and universities and research institutes.

Characteristics:

- \* P810 Automatic photoelectric inspection technique
- \* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition.
- \* High brightness LED lights with service life exceeding 100000 hours.
- \* A variety of measurement modes are optional, without using complicated manual calculation.
- \* Extremely large storage capacity can store up to 1000 groups of data information automatically.

Spec:



Measuring range	±89.99°
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Min. reading	0.001°(optical rotation)
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Temperature control mode	built-in semiconductor
Temperature control range	15°C-30°C
Temperature control accuracy	±0.3°C
Temperature resolution	0.1°C
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6" TFT touch screen
Power supply	220VAC±10% 50Hz
Sample Chamber	Accepts sample tubes up to 200mm
Power	250W
Net weight	24kg
Calibration mode	automatic calibration
Dimension	708mm*330mm*287mm