

## P810 Automatic Polarimeter

Measure

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 and other industries, as well as universities and research institutes.

Characteristics:

- \* 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°
	±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 wav elength	589.3nm (sodium D spectrum)
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6" TFT touch screen
Power supply	220VAC±10% 50Hz
Power	250W
Net weight	24kg
Dimension	708mm*330mm*287mm
Sample chamber	Accepts sample tubes up to 200mm



## P810A Automatic Polarimeter

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 and other industries, as well as universities and research institutes.

Characteristics:

- \* P810A with automatic calibration function
- \* 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)
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6" TFT touch screen
Power supply	220VAC±10% 50Hz
Power	250W
Net weight	24kg
Calibration mode	automatic calibration
Dimension	708mm*330mm*287mm
Sample chamber	Accepts sample tubes up to 200mm

