

Automatic polarimeter P850/P850A includes build-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 making, other industries and universities and research institutes.



Features:

- P850/P850A 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 10000 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.

Technical Data	P810	P810A	P850	P850A
Measuring range	± 89.99° (optical rotation)			
Accuracy	0.01° (full scale)			
Min . reading	0.001° (optical rotation)			
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	
Resolution	-		±0.1°C	
Interface	USB and RS232			
Data storage capacity	1,000 pieces			
Display modes	5.6 inches, TFT, touch screen			
Power supply	220VAC ± 10 %. 50 Hz			
Power	250 W			
Net weight	24Kg		26kg	
Calibration mode	-	automatic calibration	-	automatic calibration
Dimensions	708mm x 330mm x 287mm			