P810/P810A/P850/P850A Automatic Polarimeter
P800 Polarimeter

Automatic Polarimeter P850/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 making, other industries and universities and research institutes.

Characteristic

- Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition.

- 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.

Industries P800/P810/P810A/P850/P850A

Food&Feed

Chemical/Spice

Pharmaceuticals

Ultra long life light source
It adopt High brightness LED lights with service life exceeding 100000 hours, less time ready for use, save your cost and time.

Automatic temperature control system
P850/P850A adopts peltier temperature control system, make sure the whole testing with accuracy and constant temperature.

Automatic Calibration
P810A/P850A built in automatic calibration system, it provides much higher accuracy result, much easier for calibration.

Note: "●" with the same technical index; "—" without

Technical data:

	P810		P810A	P850	P850A
Measuring range	±89.99°Arc		●	●	●
	±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		●	●	●
Temperature control mode	–		–	built-in semiconductor	●
Temperature control range	–		–	15℃~30℃	●
Temperature control accuracy	–		–	±0.3℃	●
Temperature resolution	–		–	0.1℃	●
Interface	USB and RS232		●	●	●
Data storage capacity	1000 pieces		●	●	●
Display mode	5.6" TFT touch screen		●	●	●
Power supply	220VAC±10% 50Hz		●	●	●
Sample Chamber	Accept sample tubes up to 200mm				
Power	250W		●	●	●
Net weight	24kg		24kg	26kg	26kg
Calibration mode	–		automatic calibration	–	automatic calibration
Dimension	708mmX330mmX287mm				