

Auto Digital Polarimeter P810/P850/P810 Pro/P850 Pro

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

New upgraded models: P810 Pro/ P850 Pro adopt brilliant Android system and communication ports, let new models meet FDA CFR21 part 11.



New P810 Pro/ P850 Pro New Characteristics

- Adopt a 8 inch TFT touch screen, with the Android system, let the operating easier.
- Meet FDA 21CFR part11.
- User ID management function. Users ID are available for adding, deleting and jurisdiction setting.
- Timing measuring and graphic display function, displaying the samples optical rotation changing dynamic process.
- 8GB room for data storage.
- Classify and synchronous result searching function is convenience for user's result searching.
- 3 USB port for U-Disk, keyboard mouse connecting. And WiFi for connecting printer. Let operating much easier.



Features

Peltier Temperature Control

The Peltier system automatically controls the sample temperature in the max range from 10 °C to 50 °C.

User Calibration System

Additional Standard polarization tubes with software for calibration by user.

Large Color Touch Screen

Large color touch screen display and innovative software interface give extremely convenient device operation and data acquisition. P810/P850 adopt a 5.6inch touch screen, P810 Pro/ P850 Pro adopt 8inch touch screen.

LED Light Source

High brightness LED lights with service life exceeding 100000 hours. To void the light source exchanging.

Technical data

	P810	P850	P810 Pro	P850 Pro
Measuring range	±89.99°Arc; ±259°Z			
Measuring Model	Optical Rotation; Specific Rotation; Concentration; Sugar Degree			
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)	0.002°(optical rotation)			
Min. Transmittance	1%			
Light Source	LED			
Wavelength	589.3nm LED			
Temperature Control	No	Peltier	No	Peltier
Temperature Control Range		15℃ ~ 30℃		10℃ ~ 50℃
Temperature Control Accuracy		0.3℃		0.3℃
Communication Port	USB; RS232	USB; RS232	USB×3,RS232, Wi-Fi	USB×3,RS232, Wi-Fi
Data Storable	1000	1000	8GB	8GB
21CFR Part 11	No	No	Yes	Yes
Display	5.6inch	5.6inch	8inch	8inch
Sample Cell	Upto 200mm	Upto 200mm	Upto 200mm	Upto 200mm
Graphic	No	No	4hours	4hours
Power	220V AC (±10%) 50Hz	220V AC (±10%) 50Hz	220V AC (±10%) 50Hz	220V AC (±10%) 50Hz
Calibration System	Option	Option	Option	Option