

Automatic Polarimeter



Introduction:
Polarimeter is an instrument for measuring the optical rotation of some substance. Through the measurement of optical rotation, it can analyze and determine the specific rotation, international sugar degree, concentration and purity of the substance, which is widely used in medicine, petroleum, food, chemical industry, flavor, fragrance, sugar and other industries as well as related universities and research institutes.

Features:

- * It can determine optical rotation, specific rotation, concentration, sugar degree.
- * LED cold light source instead of traditional sodium lamp and halogen tungsten lamp.
- * The measuring range is upgraded to $\pm 89^\circ$ (Optical rotation), which improves the limitation of measuring samples.
- * Fully automated systematic control, easy to operate.
- * Wide color touch screen and innovative WINDOWS software interface make control and data reading more convenient, to meet the use of high-end users.

Technical Parameters:

Model	BK-P210
Light Source	LED cold light source + high precision interference filter
Wavelength	589.3nm
Measurement Method	Single, multiple, continuous measurement methods
Measurement Range	Optical Rotation $\pm 89.99^\circ$, sugar degree $\pm 257^\circ$
Optical Rotation	Least Count 0.001°
	Accuracy $\pm 0.01^\circ$ (45° optical rotation $\leq 45^\circ$)
	Repeatability $\pm 0.02^\circ$ (Other ranges)
Temperature	Temp. Range 0-100°C
	Temp. Resolution 0.1°C
	Temp. Accuracy $\pm 0.1^\circ$
Display	7-inch TFT touch color screen
Standard Test Tube	200mm, 100mm (Regular)
Optional	Test tube, printer
Transmittance	0.01%
Data Storage	1000 groups
File Export	PDF and Excel
Interface	USB, RS232
Power Supply	AC 110/220V, 50/60Hz
Power	250W
External Size(W*D*H)	715*355*280mm
Package Size(W*D*H)	820*475*465mm
Net Weight	21.4kg
Gross Weight	30kg

Automatic Digital Polarimeter



Introduction:
Polarimeter is an instrument for measuring the optical rotation of some substance. Through the measurement of optical rotation, it can analyze and determine the specific rotation, international sugar degree, concentration and purity of the substance, which is widely used in medicine, petroleum, food, chemical industry, flavor, fragrance, sugar and other industries as well as related universities and research institutes.

Features:

- * Built-in Peltier temperature control to improve accuracy and stability.
- * It can determine optical rotation, specific rotation, concentration, sugar degree.
- * LED cold light source instead of traditional sodium lamp and halogen tungsten lamp.
- * Multi-level rights management, rights can be freely configured.
- * 8-inch touch color screen, humanized operation interface.
- * It meets 21 CFR requirements (electronic signature, data traceability, audit trail, data tamper prevention and other functions).
- * Fully comply with GLP, GMP certification standards.

Technical Parameters:

Model	BK-P610
Light Source	LED cold light source+high precision interference filter
Wavelength	589.3nm
Measurement Method	Single, multiple, continuous measurement methods
Measurement Range	Optical rotation $\pm 90^\circ$, sugar degree $\pm 259^\circ$ Z, specific rotation $\pm 259^\circ$ Z
Optical Rotation	Least Count 0.001°
	Accuracy $\pm 0.004^\circ$
	Repeatability 0.002°
Temperature	Temp. Range 10°C~55°C(Peltier)
	Temp. Resolution 0.1°C
	Temp. Accuracy $\pm 0.1^\circ$
Display	8 inch TFT touch color screen
Standard Test Tube	200mm, 100mm(Regular), 100mm(Temp. control)
Optional	Test tube, printer
Transmittance	0.01%
Data Storage	32G
File Export	PDF and Excel
Interface	USB, RS232, VGA, Ethernet
Standard Accessory	Electronic signature, WiFi printing, automatic calibration, audit trial
Optional Accessory	Cloud services, MD5 code verification, custom formula, printer
Power Supply	AC 110/220V, 50/60Hz
Power	250W
External Size(W*D*H)	715*355*280mm
Package Size(W*D*H)	820*475*465mm
Net Weight	21.4kg
Gross Weight	30kg