



AUTOMATIC POLARIMETER BPOL-103

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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.



Automatic calibration function, let daily calibration easier by users
High brightness LED lights with service life exceeding 100000 hours. To avoid the light source exchanging.
 $\pm 89.99^\circ$ Arc ensuring the measuring range widely
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.
User Calibration System:
Additional Standard polarization tubes with software for calibration by the user. Password Protection
The password aging function is enabled, enhanced the operators' permission aging

SPECIFICATIONS

Model	BPOL-103
Measuring range	$\pm 89.99^\circ$ Arc; $\pm 259^\circ$ Z
Measuring Model	Optical Rotation; Specific Rotation; Concentration; Sugar Degree
Min. reading	0.001° (optical rotation)
Accuracy	$\pm 0.01^\circ$ ($-45^\circ < \text{optical rotation} \leq +45^\circ$); $\pm 0.02^\circ$ (optical rotation $< -45^\circ$ or $> +45^\circ$)
Repeatability (standard deviation)	0.002° (optical rotation)
Light Source	LED
Wavelength	589.3 nm
Temperature Control	Peltier
Temperature Control Range	10°C ~ 50°C
Temperature Control Accuracy	0.2°C
Temperature resolution	0.1°C
Communication Port	USB x3, RS232, Wi-Fi
Data Storable	8 GB
21 CFR Part 11	No
Tamper-proof data output	Yes
Display	8 inch
Sample Cell	Up to 200 mm
Graphic	4 hours
Power	220V AC ($\pm 10\%$) 50Hz
Calibration (rotation value)	Optional
Optional Parts	Sample tubes, including corrosion-resistant tubes or micro tubes
Alt Name	Automatic Polarimeter

FEATURES

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8'inch touch screen with Android based software:

Based on Android operating software for easier use, and also can install laboratory regulatory requirement software or functions;

8GB for storing results, methods or traceability records.

APPLICATIONS

It's widely used in pharmaceutical, petroleum, food, chemicals, flavors, spices, sugar marking and other industries, and universities and research institutes.

MORE INFO

Adopt data backup software for connecting to PC, for importing or exporting data.

Adopt formula editor for setting multistage or piecewise function calculation.

Chinese, English and Russian Switchable.

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



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