



AUTOMATIC POLARIMETER BPOL-104

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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-104 |
|------------------------------------|--|
| 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 | Yes |
| 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

Meet FDA 21 CFR Part 11

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

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.



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