



AUTOMATIC POLARIMETER BPOL-101

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A polarimeter is an instrument used for determining the polarisation direction of the light or the rotation of an optically active substance.

Used in pharmaceutical, petroleum, food, chemicals, flavors, spices, sugar marking, universities, research institutes.

Also known as Polarimeter, Auto Polarimeter, Auto Digital Polarimeter.

BPOL-101 AUTOMATIC POLARIMETER



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

For calibration Additional Standard polarization tubes with software can be used by user.

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

5.6 inch touch screen

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

SPECIFICATIONS

| Model | BPOL-101 |
|------------------------------------|--|
| Measuring Range | $\pm 89.99^\circ \text{Arc}$; $\pm 259^\circ \text{Z}$ |
| Measuring Model | Optical Rotation; Specific Rotation; Concentration; Sugar Degree |
| Min. Reading | 0.001° (optical rotation) |
| Accuracy | $\pm 0.01^\circ$ ($-45^\circ \leq \text{optical rotation} \leq +45^\circ$); $\pm 0.02^\circ$ (optical rotation $< -45^\circ$ or optical rotation $> +45^\circ$) |
| Repeatability (standard deviation) | 0.002° (optical rotation) |
| Light Source | LED |
| Wavelength | 589.3nm LED |
| Temperature Control | No |
| Communication Port | USB; RS232 |
| Data Storable | 1000 |
| 21CFR Part 11 | No |
| Tamper-proof data output | No |
| Display | 5.6inch |
| Sample Cell | Upto 200mm |
| Graphic | No |
| Power | 220V AC ($\pm 10\%$) 50Hz |
| Calibration (rotation value) | Optional |
| Optional Parts | Sample tubes, including corrosion-resistant tubes or micro tubes |



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