



AUTOMATIC POLARIMETER

AUTOMATIC POLARIMETER BGF1F1 TO BGF1F4

AUTOMATIC POLARIMETER

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 Polarimeter BGF1F1

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

SPECIFICATIONS

Model	BGF1F1	BGF1F2	BGF1F3	BGF1F4
Old Model	BPOL-101	BPOL-103		
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 > +45°)			
Repeatability (standard deviation)	0.002° (optical rotation)			
Light Source	LED			
Wavelength	589.3 nm			
Temperature Control	No	Peltier	No	Peltier
Temperature Control Range	-	10℃ ~ 50℃	-	10℃ ~ 50℃
Temperature Control Accuracy	-	0.2℃	-	0.2℃
Temperature resolution	-	0.1℃	-	0.1℃
Communication Port	USB x3, RS232, Wi-Fi			
Data Storable	8 GB			
21 CFR Part 11	No		Yes	
Tamper-proof data output	Yes			
Display	8 inch			
Sample Cell	Up to 200 mm			
Graphic	4 hours			
Power	220V AC (±10%) 50Hz			
Calibration (rotation value)	Optional			
Optional Parts	Sample tubes, including corrosion-resistant tubes or micro tubes			
Alt Name	Automatic Polarimeter			

FEATURES BGF1F1

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The password aging function is enabled, enhanced the operators' permission aging management.

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.

FEATURES BGF1F2

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

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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.

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.

FEATURES BGF1F3

Meet FDA 21 CFR Part 11

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Chinese, English and Russian Switchable.

FEATURES BGF1F4

Meet FDA 21 CFR Part 11

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APPLICATIONS

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



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