



AUTOMATIC POLARIMETER BGF1F4

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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.



Meet FDA 21 CFR Part 11

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

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.

±89.99°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:

SPECIFICATIONS

Model	BGF1F4
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	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 (±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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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 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.

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.

APPLICATIONS

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



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com