AUTOMATIC POLARIMETER

AUTOMATIC POLARIMETER

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

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

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

POL11-50 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	POL11-50
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 optical rotation>+45°)
Repeatability (standard deviation)	0.002°(optical rotation)
Min. Transmittance	1.00%
Light Source	LED
Wavelength	589.3nm LED
Temperature Control	No
Communication Port	USB; RS232
Data Storable	1000
Display	5.6inch
Sample Cell	Upto 200mm
Graphic	No
Power	220V AC (±10%) 50Hz
Calibration System	Option

POL11-50A 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.

8 inch TFT touch screen, with the Android system.

High brightness LED lights with service life exceeding 100000 hours. To void the light source exchanging.
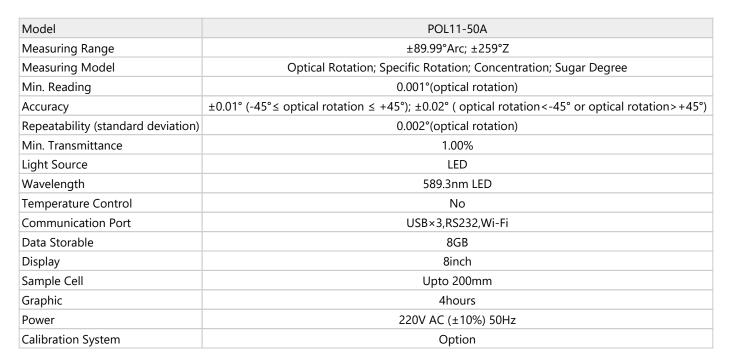
8GB room for data storage.

Timing measuring and graphic display function, displaying the samples optical rotation changing dynamic process.

Classify and synchronous result searching function is convenience for user's result searching.

User ID management function. Users ID are available for adding, deleting and jurisdiction setting.

3 USB port for U-Disk, keyboard mouse connecting. AndWiFi for connecting printer.

SPECIFICATIONS

Model	POL11-50A
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 optical rotation>+45°)
Repeatability (standard deviation)	0.002°(optical rotation)
Min. Transmittance	1.00%
Light Source	LED
Wavelength	589.3nm LED
Temperature Control	No
Communication Port	USB×3,RS232,Wi-Fi
Data Storable	8GB
Display	8inch
Sample Cell	Upto 200mm
Graphic	4hours
Power	220V AC (±10%) 50Hz
Calibration System	Option

POL11-30 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	POL11-30
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 optical rotation>+45°)
Repeatability (standard deviation)	0.002°(optical rotation)
Min. Transmittance	1.00%
Light Source	LED
Wavelength	589.3nm LED
Temperature Control	Peltier
Temperature Control Range	15°C~30°C
Temperature Control Accuracy	0.3°C
Communication Port	USB; RS232
Data Storable	1000
Display	5.6inch
Sample Cell	Upto 200mm
Graphic	No
Power	220V AC (±10%) 50Hz
Calibration System	Option

POL11-50T 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.

8 inch TFT touch screen, with the Android system.

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

8GB room for data storage.

Timing measuring and graphic display function, displaying the samples optical rotation changing dynamic process.

Classify and synchronous result searching function is convenience for user's result searching.

User ID management function. Users ID are available for adding, deleting and jurisdiction setting.

3 USB port for U-Disk, keyboard mouse connecting. And WiFi for connecting printer.

SPECIFICATIONS

Model	POL11-50T
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 optical rotation>+45°)
Repeatability (standard deviation)	0.002°(optical rotation)
Min. Transmittance	1.00%
Light Source	LED
Wavelength	589.3nm LED
Temperature Control	Peltier
Temperature Control Range	10°C~50°C
Temperature Control Accuracy	0.3°C
Communication Port	USB×3,RS232,Wi-Fi
Data Storable	8GB
Display	8inch
Sample Cell	Upto 200mm
Graphic	4hours
Power	220V AC (±10%) 50Hz
Calibration System	Option