

Infitek

POLARIMETERS



Infitek



Infitek



Infitek



Infitek



Infitek

Infitek

Infitek Co., Ltd.

TEL: +86-531-88982330  
FAX: +86-531-88983691  
Website: infitek.com  
Email: info@infitek.com  
Service: support@infitek.com  
Address: Room 201, Building A, No.1 Qianwan 1st Road, Qianhai  
Shenzhen-Hong Kong Cooperation Zone, Shenzhen (Settled in  
Shenzhen Qianhai Business Secretary Co., Ltd.)

US Office

INFITEK INC.

522W RIVERSIDE AVE STE N,SPOKANE,WA 99201  
EMAIL: INFO@INFITEK.COM



VERSION.2025

# Fully Automatic High-speed Polarimeter, POL-5 Series

POL-568 POL-537 POL-533 POL-532 POL-531



POL-568 POL-537 POL-533

POL-532 POL-531

- ◆ High Speed & High Efficiency, response speed: 8°/second, measuring time: 6 times/26 seconds
- ◆ Low-Noise Operation, Quiet & Comfortable
- ◆ Digital Platform & High-End Optical Components, Glan Thompson prism
- ◆ Long-Lasting Light Source, 100,000 hours LED light source
- ◆ Audit trail is optional for POL-568/537/533 to comply with 21 CFR Part 11

## Description

- POL-5 series fully automatic high-speed polarimeter is engineered on a advanced digital platform. It incorporates a breakthrough high-precision photoelectric encoder that replaces traditional worm gear mechanisms used in conventional polarimeters, significantly simplifying the mechanical structure while dramatically increasing measurement speed and overall efficiency. Furthermore, the instrument operates with minimal noise throughout the process.
- The series offers a wide range of configurations to accommodate diverse user requirements, including optical rotation, specific rotation, concentration, and international sugar scale measurements. High-end models also provide customizable method modes for specialized applications.

## Features

### High Speed and High Efficiency, Precision and Stability

With a full-range response speed of up to 8°/second and an average of 6 measurements in 26 seconds, detection efficiency is greatly improved, significantly reducing sample measurement time and supporting efficient laboratory operation.

### Low-Noise Operation, Quiet and Comfortable

The instrument maintains low noise levels both in standby and operating modes, providing silent measurement throughout the entire process and creating a quiet and comfortable working environment for laboratory staff.

### Intelligent System Option, Flexible to Meet Needs



POL-568 POL-537 POL-533



POL-532 POL-531

POL-568/537/533 are equipped with an Android intelligent system. Users can flexibly choose based on practical application and budget, meeting diverse operational and functional requirements.

### Digital Platform and High-End Optical Components

The digital platform significantly enhances measurement accuracy, repeatability, and reliability. The polarizer is equipped with a Glan Thompson prism (specified wavelengths for POL-568/537), delivering excellent optical performance.

### Long-Lasting Light Source, Multiple Wavelength Options

The LED light source has a lifespan of over 100,000 hours, effectively avoiding the hassle of frequent replacement required with traditional sodium lamps. POL-537 offers both LED and halogen tungsten lamp versions, with a total of 8 optional wavelengths to fully cover diverse user measurement needs.

Features

Intelligent Temperature Control, Accurate and Reliable Results



Peltier temperature control, temperature-controlled sample cell

POL-568/537/533/532 feature built-in high-precision Peltier temperature control devices with heating and cooling functions. They support the use of temperature-controlled sample cells for polarimetry measurements, ensuring samples are tested at the required temperature and guaranteeing data accuracy.

Extensive Data Management, Easy System Integration

POL-568/537/533 come with a large-capacity built-in database, supporting user hierarchy management. Data can be saved, transmitted, printed, and traced. Users can customize and pre-store frequently used methods; measurement results can be exported as PDF reports or directly saved to a U disk, with an optional external printer also available.

Equipped with serial communication and open interfaces, seamless data connection with user systems such as LIMS is easily achieved, promoting digital laboratory management.

Specifications



| Model             | POL-568                                                                                     | POL-537<br>Dual wavelength*<br>Multiple wavelength**                                        | POL-533                                                                                     | POL-532                                                                      | POL-531                                                                      |
|-------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Specification     |                                                                                             |                                                                                             |                                                                                             |                                                                              |                                                                              |
| Measuring scale   | Optical Rotation; Specific Rotation; Concentration; International Sugar Scale; User Defined | Optical Rotation; Specific Rotation; Concentration; International Sugar Scale; User Defined | Optical Rotation; Specific Rotation; Concentration; International Sugar Scale; User Defined | Optical Rotation; Specific Rotation Concentration; International Sugar Scale | Optical Rotation; Specific Rotation Concentration; International Sugar Scale |
| Measuring range   | ±90° (OR); ±259°Z (ISS)                                                                     | ±90° (OR); ±259°Z (ISS)                                                                     | ±90° (OR); ±259°Z (ISS)                                                                     | ±90° (OR); ±259°Z (ISS)                                                      | ±90° (OR); ±259°Z (ISS)                                                      |
| Accuracy          | ±0.003°                                                                                     | ±0.004°                                                                                     | ±0.004°                                                                                     | ±0.004°                                                                      | ±0.006°                                                                      |
| Repeatability     | ≤0.002°                                                                                     | ≤0.002°                                                                                     | ≤0.002°                                                                                     | ≤0.002°                                                                      | ≤0.002°                                                                      |
| Min. transmission | 0.01%                                                                                       | 0.1%                                                                                        | 0.05%                                                                                       | 0.1%                                                                         | 0.1%                                                                         |
| Resolution        | 0.0001°                                                                                     | 0.001°                                                                                      | 0.001°                                                                                      | 0.001°                                                                       | 0.001°                                                                       |

Features

Compliant with Regulations, Meeting Audit Requirements

POL-568/537/533 offer optional audit trail software functionality, complying with FDA 21 CFR Part 11, GMP, GLP, and pharmacopoeia requirements, making them suitable for the stringent quality management needs of the pharmaceutical industry.

The POL-532/531 systems comply with GMP and relevant pharmacopoeia standards, making them reliably suitable for routine quality control scenarios.

Industry Applications

| Model                      | POL-568 POL-537 POL-533 POL-532 POL-531                                      |
|----------------------------|------------------------------------------------------------------------------|
| Food and Beverages         | Determination of sucrose, monosodium glutamate, soy sauce, and sugar content |
| Agricultural Production    | Determination of antibiotics, hormones, pesticides, and starch               |
| Petrochemical Industry     | Mineral oil analysis, monitoring of oil fermentation processes               |
| Fragrances and Flavors     | Quality analysis of natural essential oil raw materials such as camphor oil  |
| Health and Disease Control | Glucose analysis in medical infusion solutions and diabetes analysis         |
| Pharmaceutical Industry    | Analysis of antibiotics, vitamins, and amino acids                           |

Specifications

| Model                       | POL-568                                                                                                                                | POL-537<br>Dual wavelength*<br>Multiple wavelength**                                                                                                     | POL-533                                                                                                                                | POL-532                                                                                                                                   | POL-531                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Specification               |                                                                                                                                        |                                                                                                                                                          |                                                                                                                                        |                                                                                                                                           |                                                                                  |
| Available wavelength        | 589nm                                                                                                                                  | *Standard: 589nm/880nm<br>*Optional: 365nm/405nm/436nm/<br>546nm/578nm/633nm<br>**Standard: 589nm/546nm<br>**Optional: 365nm/405nm/436nm/<br>578nm/633nm | 589nm                                                                                                                                  | 589nm                                                                                                                                     | 589nm                                                                            |
| Response speed              | 8°/sec.                                                                                                                                | 8°/sec.                                                                                                                                                  | 8°/sec.                                                                                                                                | 8°/sec.                                                                                                                                   | 8°/sec.                                                                          |
| Measuring time              | 6 times/26 sec.                                                                                                                        | 6 times/26 sec.                                                                                                                                          | 6 times/26 sec.                                                                                                                        | 6 times/26 sec.                                                                                                                           | 6 times/26 sec.                                                                  |
| Temperature control range   | Peltier temperature control: 10℃ to 50℃                                                                                                | Peltier temperature control: 10℃ to 50℃                                                                                                                  | Peltier temperature control: 10℃ to 50℃                                                                                                | Peltier temperature control: 10℃ to 50℃                                                                                                   | /                                                                                |
| Temperature accuracy        | ±0.2℃                                                                                                                                  | ±0.2℃                                                                                                                                                    | ±0.2℃                                                                                                                                  | ±0.2℃                                                                                                                                     | /                                                                                |
| Calibration                 | Multi-point automatic calibration                                                                                                      | Multi-point automatic calibration                                                                                                                        | Multi-point automatic calibration                                                                                                      | Multi-point automatic calibration                                                                                                         | Multi-point automatic calibration                                                |
| User management permissions | Four levels                                                                                                                            | Four levels                                                                                                                                              | Four levels                                                                                                                            | /                                                                                                                                         | /                                                                                |
| Electronic signature        | Yes                                                                                                                                    | Yes                                                                                                                                                      | Yes                                                                                                                                    | /                                                                                                                                         | /                                                                                |
| Audit trail                 | Optional FDA software                                                                                                                  | Optional FDA software                                                                                                                                    | Optional FDA software                                                                                                                  | /                                                                                                                                         | /                                                                                |
| Engineering                 |                                                                                                                                        |                                                                                                                                                          |                                                                                                                                        |                                                                                                                                           |                                                                                  |
| Light source                | LED (100,000 hours lifespan)<br>Precision interference filter                                                                          | *LED (100,000 hours lifespan)<br>Precision interference filter<br>**Tungsten halogen lamp (20W)                                                          | LED (100,000 hours lifespan)<br>Precision interference filter                                                                          | LED (100,000 hours lifespan)<br>Precision interference filter                                                                             | LED (100,000 hours lifespan)<br>Precision interference filter                    |
| Sample cell length          | Standard: 100mm (regular)<br>200mm (regular)<br>100mm (temperature control)<br>Optional: 50mm (regular)<br>200mm (temperature control) | Standard: 100mm (regular)<br>200mm (regular)<br>100mm (temperature control)<br>Optional: 50mm (regular)<br>200mm (temperature control)                   | Standard: 100mm (regular)<br>200mm (regular)<br>100mm (temperature control)<br>Optional: 50mm (regular)<br>200mm (temperature control) | Standard: 100mm (regular);<br>200mm (regular);<br>100mm (temperature control)<br>Optional: 50mm (regular);<br>200mm (temperature control) | Standard:<br>100mm (regular);<br>200mm (regular);<br>Optional:<br>50mm (regular) |
| Technical data              |                                                                                                                                        |                                                                                                                                                          |                                                                                                                                        |                                                                                                                                           |                                                                                  |
| Display                     | 10.1" color LCD touchscreen                                                                                                            | 10.1" color LCD touchscreen                                                                                                                              | 10.1" color LCD touchscreen                                                                                                            | 8" color LCD touchscreen                                                                                                                  | 8" color LCD touchscreen                                                         |
| Operating system            | Android                                                                                                                                | Android                                                                                                                                                  | Android                                                                                                                                | /                                                                                                                                         | /                                                                                |
| Internal storage            | 128G                                                                                                                                   | 128G                                                                                                                                                     | 128G                                                                                                                                   | 10,000 sets of data                                                                                                                       | 10,000 sets of data                                                              |
| User management             | 500                                                                                                                                    | 500                                                                                                                                                      | 500                                                                                                                                    | /                                                                                                                                         | /                                                                                |
| Method management           | 1000                                                                                                                                   | 1000                                                                                                                                                     | 1000                                                                                                                                   | 30                                                                                                                                        | 30                                                                               |
| Communication interface     | RS232, USB, U disk, Keyboard,<br>Mouse, Wifi, Ethernet                                                                                 | RS232, USB, U disk, Keyboard,<br>Mouse, Wifi, Ethernet                                                                                                   | RS232, USB, U disk, Keyboard,<br>Mouse, Wifi, Ethernet                                                                                 | RS232, USB, U disk                                                                                                                        | RS232, USB, U disk                                                               |
| Connect PC, LIMS            | Yes                                                                                                                                    | Yes                                                                                                                                                      | Yes                                                                                                                                    | Yes                                                                                                                                       | Yes                                                                              |
| Printer (Optional)          | Thermal printer; Stylus printer;<br>Wifi printer                                                                                       | Thermal printer; Stylus printer;<br>Wifi printer                                                                                                         | Thermal printer; Stylus printer;<br>Wifi printer                                                                                       | Thermal printer                                                                                                                           | Thermal printer                                                                  |
| Power supply                | 220V±22V, 50Hz±1Hz, 200W                                                                                                               | 220V±22V, 50Hz±1Hz, 200W                                                                                                                                 | 220V±22V, 50Hz±1Hz, 200W                                                                                                               | 220V±22V, 50Hz±1Hz, 200W                                                                                                                  | 220V±22V, 50Hz±1Hz, 200W                                                         |
| Product dimensions (L×W×H)  | 702mm×376mm×240mm                                                                                                                      | 702mm×376mm×240mm                                                                                                                                        | 702mm×376mm×240mm                                                                                                                      | 702mm×376mm×240mm                                                                                                                         | 702mm×376mm×240mm                                                                |
| Package dimensions (L×W×H)  | 880mm×530mm×490mm                                                                                                                      | 880mm×530mm×490mm                                                                                                                                        | 880mm×530mm×490mm                                                                                                                      | 880mm×530mm×490mm                                                                                                                         | 880mm×530mm×490mm                                                                |
| Net weight                  | 21kg                                                                                                                                   | 21kg                                                                                                                                                     | 21kg                                                                                                                                   | 21kg                                                                                                                                      | 21kg                                                                             |
| Gross weight                | 36kg                                                                                                                                   | 36kg                                                                                                                                                     | 36kg                                                                                                                                   | 36kg                                                                                                                                      | 36kg                                                                             |

\* POL-537 (Dual wavelength), only equipped with two wavelengths, only 880nm can be replaced with one of the optional wavelengths.

\*\* POL-537 (Multiple wavelength), can be equipped with more than two wavelengths, only 546nm can be replaced with other optional wavelengths.

# Automatic Polarimeter, POL Series

POL-2P POL-1P POL-3 POL-2S POL-2B

## Features

### Multiple Test Modes, Automatic Repeat Measurement

POL-2P/1P/3 offers four measurement modes: optical rotation, specific rotation, concentration, and international sugar scale, meeting diverse testing needs. The automatic repeat measurement function allows for up to six consecutive tests and automatically calculates the average, effectively improving data reliability. The POL-2P/1P also calculates root mean square (RMS) values, enabling accurate measurement of dark samples.

### Long-Lasting Light Source

The LED light source has a lifespan of over 100,000 hours, effectively avoiding the hassle of frequent replacement required with traditional sodium lamps.

### Intelligent Temperature Control, Accurate and Reliable Results

POL-2P feature built-in high-precision Peltier temperature control devices with heating and cooling functions. They support the use of temperature-controlled sample cells for polarimetry measurements, ensuring samples are tested at the required temperature and guaranteeing data accuracy.

## Description

- Automatic polarimeter can automatically measure the optical rotation of optically active substances. This measurement can be used to analyze parameters such as concentration, content, purity, sugar content, and specific rotation. These instruments are widely used in sugar refining, pharmaceuticals, food, quality inspection, chemical industry, agriculture, light industry, petroleum, and other industrial sectors, as well as relevant universities and research institutions.

## POL-2P POL-1P



## POL-3



## POL-2S POL-2B



- ◆ Multiple Test Modes: optical rotation, specific rotation, concentration, international sugar scale
- ◆ Long-Lasting Light Source: 100,000 hours LED light source
- ◆ Peltier Temperature Control: 15 C to 30 C
- ◆ Measuring Range: ±45° (OR), ±120°Z (ISS)
- ◆ Data Transmission, Result Printing

Specifications



| Model                      | POL-2P                                                                                                                                       | POL-1P                                                                              | POL-3                                                                               | POL-2S                                                                         | POL-2B                                                                         |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Specification              |                                                                                                                                              |                                                                                     |                                                                                     |                                                                                |                                                                                |
| Measuring scale            | Optical Rotation<br>Specific Rotation<br>Concentration<br>International Sugar Scale                                                          | Optical Rotation<br>Specific Rotation<br>Concentration<br>International Sugar Scale | Optical Rotation<br>Specific Rotation<br>Concentration<br>International Sugar Scale | Optical Rotation<br>International Sugar Scale                                  | Optical Rotation                                                               |
| Measuring range            | ±45° (OR)<br>±120°Z (ISS)                                                                                                                    | ±45° (OR)<br>±120°Z (ISS)                                                           | ±45° (OR)<br>±120°Z (ISS)                                                           | ±45° (OR)<br>±120°Z (ISS)                                                      | ±45° (OR)                                                                      |
| Accuracy                   | ±0.01° (-15°≤OR≤+15°)<br>±0.02° (OR<-15° or OR>+15°)                                                                                         | ±0.01° (-15°≤OR≤+15°)<br>±0.02° (OR<-15° or OR>+15°)                                | ±(0.01+measuring value×0.05%)°                                                      | ±(0.01+measuring value×0.05%)° (OR)<br>±(0.03+measuring value×0.05%)°Z (ISS)   | ±(0.01+measuring value×0.05%)° (OR)                                            |
| Repeatability              | ≤0.002°                                                                                                                                      | ≤0.002°                                                                             | ≤0.003°                                                                             | ≤0.002°                                                                        | ≤0.01°                                                                         |
| Min. transmission          | 1%                                                                                                                                           | 1%                                                                                  | 10%                                                                                 | 1%                                                                             | 10%                                                                            |
| Resolution                 | 0.001° (OR)<br>0.01°Z (ISS)                                                                                                                  | 0.001° (OR)<br>0.01°Z (ISS)                                                         | 0.001° (OR)<br>0.001°Z (ISS)                                                        | 0.001° (OR)<br>0.01°Z (ISS)                                                    | 0.002° (OR)                                                                    |
| Available wavelenght       | 589nm                                                                                                                                        | 589nm                                                                               | 589nm                                                                               | 589nm                                                                          | 589nm                                                                          |
| Temperature control range  | Peltier temperature control: 15 °C to 30 °C                                                                                                  | /                                                                                   | /                                                                                   | /                                                                              | /                                                                              |
| Temperature accuracy       | ±0.5 °C                                                                                                                                      | /                                                                                   | /                                                                                   | /                                                                              | /                                                                              |
| Engineering                |                                                                                                                                              |                                                                                     |                                                                                     |                                                                                |                                                                                |
| Light source               | LED (100,000 hours lifespan)<br>Interference filter                                                                                          | LED (100,000 hours lifespan)<br>Interference filter                                 | LED<br>Interference filter                                                          | LED<br>Interference filter                                                     | LED<br>Interference filter                                                     |
| Sample cell length         | Standard:<br>100mm (regular)<br>200mm (regular)<br>100mm (temperature control)<br>Optional:<br>50mm (regular)<br>200mm (temperature control) | Standard:<br>100mm (regular)<br>200mm (regular)<br>Optional:<br>50mm (regular)      | Standard:<br>100mm (regular)<br>200mm (regular)<br>Optional:<br>50mm (regular)      | Standard:<br>100mm (regular)<br>200mm (regular)<br>Optional:<br>50mm (regular) | Standard:<br>100mm (regular)<br>200mm (regular)<br>Optional:<br>50mm (regular) |
| Technical data             |                                                                                                                                              |                                                                                     |                                                                                     |                                                                                |                                                                                |
| Display                    | 7" color LCD touchscreen                                                                                                                     | 7" color LCD touchscreen                                                            | Color LCD touchscreen                                                               | 5" LCD                                                                         | 5" LCD                                                                         |
| Communication interface    | RS232, USB                                                                                                                                   | RS232, USB                                                                          | RS232, USB                                                                          | RS232                                                                          | RS232                                                                          |
| Connect PC                 | Yes                                                                                                                                          | Yes                                                                                 | Yes                                                                                 | /                                                                              | Yes                                                                            |
| Printer (Optional)         | Thermal printer<br>Stylus printer                                                                                                            | Thermal printer<br>Stylus printer                                                   | Stylus printer                                                                      | Thermal printer                                                                | /                                                                              |
| Power supply               | 220V±22V, 50Hz±1Hz, 200W                                                                                                                     | 220V±22V, 50Hz±1Hz, 200W                                                            | 220V±22V, 50Hz±1Hz, 150W                                                            | 220V±22V, 50Hz±1Hz, 150W                                                       | 220V±22V, 50Hz±1Hz, 150W                                                       |
| Product dimensions (L×W×H) | 710mm×400mm×240mm                                                                                                                            | 710mm×400mm×240mm                                                                   | 605mm×370mm×260mm                                                                   | 605mm×370mm×260mm                                                              | 605mm×370mm×260mm                                                              |
| Package dimensions (L×W×H) | 840mm×530mm×520mm                                                                                                                            | 840mm×530mm×520mm                                                                   | 750mm×510mm×510mm                                                                   | 750mm×550mm×550mm                                                              | 750mm×550mm×550mm                                                              |
| Net weight                 | 28kg                                                                                                                                         | 28kg                                                                                | 21kg                                                                                | 21kg                                                                           | 21kg                                                                           |
| Gross weight               | 43kg                                                                                                                                         | 43kg                                                                                | 33kg                                                                                | 34kg                                                                           | 34kg                                                                           |

# Manual Visual Polarimeter

POL-DISC4II



- ◆ Measuring range:  $\pm 180^\circ$
- ◆ Main scale graduation:  $1^\circ$
- ◆ Vernier scale reading:  $0.05^\circ$
- ◆ Sample cell length: 100mm, 200mm

## Description

- Manual visual polarimeter is a classic optical instrument used for measuring the optical activity of substances, such as sugars, pharmaceuticals, and organic compounds. Operating through a combination of polarized light and precise manual adjustment, it requires the user to visually align optical components to determine the angle of rotation produced by a sample. Equipped with a vernier scale for high-resolution readings, this type of polarimeter emphasizes accuracy and user involvement, making it ideal for educational settings and fundamental research where hands-on experimentation is valued. While lacking automated features, it offers reliability, straightforward operation, and deep insight into the principles of optical rotation.

## Features

- Wide measuring range:  $\pm 180^\circ$
- Manual measurement with visual aiming.
- Lightweight and easy to use.



## Specification

| Model                          | POL-DISC4II                                     |
|--------------------------------|-------------------------------------------------|
| Measuring scale                | Optical Rotation                                |
| Measuring range                | $\pm 180^\circ$                                 |
| Main scale graduation          | $1^\circ$                                       |
| Vernier scale reading          | $0.05^\circ$                                    |
| Available wavelength           | 589nm                                           |
| Light source                   | Sodium lamp                                     |
| Sample cell length             | Standard:<br>100mm (regular)<br>200mm (regular) |
| Magnifying glass magnification | 4×                                              |
| Power supply                   | 220V $\pm$ 22V, 50Hz $\pm$ 1Hz                  |
| Product dimensions (L×W×H)     | 435mm×135mm×320mm                               |
| Package dimensions (L×W×H)     | 580mm×230mm×420mm                               |
| Net weight                     | 5kg                                             |
| Gross weight                   | 5.8kg                                           |

Polarimeter Accessories

Polarimeter Accessories

| Name                                | Picture                                                                             | Model    | Inner Diameter | Tube Length | Sample Capacity | Applicable Models                                                                                                   | Remarks                                                                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------|----------|----------------|-------------|-----------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bubbled Glass Test Tube             |    | SGW-50p  | φ9mm           | 50mm        | 6.5mL           | POL-568<br>POL-537<br>POL-533<br>POL-532<br>POL-531<br>POL-2P<br>POL-1P<br>POL-2S<br>POL-2B<br>POL-3                |                                                                                                                                                                                 |
|                                     |   | SGW-100p | φ9mm           | 100mm       | 13mL            | POL-568<br>POL-537<br>POL-533<br>POL-532<br>POL-531<br>POL-2P<br>POL-1P<br>POL-2S<br>POL-2B<br>POL-3<br>POL-DISC4II | The following models come standard with one(1) SGW-100p and one(1) SGW-200p:<br>POL-568, POL-537, POL-533, POL-532, POL-531, POL-2P, POL-1P, POL-2S, POL-2B, POL-3, POL-DISC4II |
|                                     |                                                                                     | SGW-200p | φ9mm           | 200mm       | 21mL            |                                                                                                                     |                                                                                                                                                                                 |
| Funnel-Neck Glass Test Tube         |  | SGW-100L | φ9mm           | 100mm       | 7.5mL           | POL-568<br>POL-537<br>POL-533<br>POL-532<br>POL-531<br>POL-2P<br>POL-1P<br>POL-2S<br>POL-2B<br>POL-3                |                                                                                                                                                                                 |
|                                     |                                                                                     | SGW-200L | φ9mm           | 200mm       | 16mL            |                                                                                                                     |                                                                                                                                                                                 |
| Micro Glass Test Tube               |  | SGW-50w  | φ5mm           | 50mm        | 0.8mL           |                                                                                                                     |                                                                                                                                                                                 |
| Jacketed Glass Test Tube            |  | SGW-200g | φ9mm           | 200mm       | 17mL            |                                                                                                                     |                                                                                                                                                                                 |
| Thermostatic Tube (Stainless Steel) |  | SGW-100k | φ6mm           | 100mm       | 2.5mL           | POL-568<br>POL-537<br>POL-533<br>POL-532<br>POL-2P                                                                  | The following models come standard with one(1) SGW-100k:<br>POL-568, POL-537, POL-533, POL-532, POL-2P                                                                          |

# Polarimeter Accessories

## Polarimeter Accessories

| Name                                                  | Picture                                                                           | Model      | Inner Diameter | Tube Length | Sample Capacity | Applicable Models                                  | Remarks |
|-------------------------------------------------------|-----------------------------------------------------------------------------------|------------|----------------|-------------|-----------------|----------------------------------------------------|---------|
| Thermostatic Tube<br>(Stainless Steel)                |  | SGW-200k   | φ6mm           | 200mm       | 5mL             | POL-568<br>POL-537<br>POL-533<br>POL-532           |         |
| Anti-corrosion Thermostatic<br>Tube (Hastelloy alloy) |                                                                                   | SGW-100KF2 | φ6mm           | 100mm       | 2.5mL           | POL-568<br>POL-537<br>POL-533<br>POL-532<br>POL-2P |         |
|                                                       |                                                                                   | SGW-200KF2 | φ6mm           | 200mm       | 5mL             | POL-568<br>POL-537<br>POL-533<br>POL-532           |         |

## Polarimeter Accessories

| Name                 | Picture                                                                             | Model    | Inner Diameter                                                                             | Applicable Models                                                                                    |
|----------------------|-------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Standard Quartz Tube |  | SGW-101B | +5°<br>-5°<br>+10°<br>-10°<br>+17°<br>-17°<br>+20°<br>-20°<br>+30°<br>-30°<br>+34°<br>-34° | POL-568<br>POL-537<br>POL-533<br>POL-532<br>POL-531<br>POL-2P<br>POL-1P<br>POL-2S<br>POL-2B<br>POL-3 |
|                      |                                                                                     |          | +1°<br>-1°                                                                                 |                                                                                                      |
|                      |                                                                                     | SGW-102B | +71.5°<br>-71.5°<br>+84°<br>-84°                                                           | POL-568<br>POL-537<br>POL-533<br>POL-532<br>POL-531                                                  |