

SGW-532 / SGW-531

High-Speed Automatic Polarimeter



Characteristics

- High response speed, less noise, and minimum transmittance makes measurement more accurate and efficient.
- LED light source that lasts over 100000 hours.
- The number of measurements can be set, and the average value can be calculated.
- Large screen LCD display.
- Equipped with multiple communication interfaces, data can be stored in real-time.
- SGW-532 has temperature control function.

Specifications

Parameters/Model	SGW-532	SGW-531
Measuring mode	Optical Rotation, Specific Rotation, Concentration, International Sugar Scale	
Pre-stored measurement methods	30	
Light source	LED +precision interference filters	
Wavelength	589nm (Sodium D Spectrum)	
Measuring range	$\pm 90^{\circ}$ (OR) $\pm 259^{\circ}$ Z (ISS)	
Resolution	0.001°	0.001°
Accuracy	$\pm 0.004^{\circ}$	$\pm 0.006^{\circ}$
Repeatability	$\leq 0.002^{\circ}$	$\leq 0.002^{\circ}$
Min. transmission	0.1%	0.1%
Response speed	8°/S	
Measuring time	6 times/26s	
Temp. control mode	Peltier(Built-in)	No
Temp. control range	10-50°C	No
Temp. control accuracy	$\pm 0.2^{\circ}\text{C}$	No
Display	8 inch color touch LCD	
Calibration method	Multi-point automatic calibration	
Data storage	10000 sets	
Interface	USB , RS232 , U disk	
Test tubes	200mm 100mm(regular) 100mm(temp control)	200mm 100mm (regular)
Optional tubes	50mm(regular) 200mm(temp control)	50mm(regular)
Power supply	220V \pm 22V , 50Hz \pm 1Hz , 200w	
Overall dimensions	860mm \times 510mm \times 470mm	
Weight(Gross)	36kg	