



Characteristics

- The instrument applies the unique and state-of-art control technology, equipped with high quality prisms. It not only greatly enhances the response speed, measurement time, and minimum transmittance when the polarimeter is testing samples, but also fully embodies the high speed, efficiency and accuracy features, which completely transformed the slow response speed and long measuring time of the traditional polarimeter. It's a landmark's breakthrough of polarimeter development in China. In terms of function, the user can customize up to 500 commonly used measurement methods which are pre-stored in the system. With applying the latest IT technology, the instrument can access the Internet.

SGW-568 / SGW-537 / SGW-533

High-Speed Automatic Polarimeter

Specifications

Parameters/Model	SGW-568	SGW-537	SGW-533
Measurement mode	Optical rotation, specific rotation, sugar degree and concentration (Custom)		
Frequently used methods	80	50	50
Light source	(LED)(up to 100000 hours) + precision interference filters	20W Tungsten halogen lamp LED (589 , 880nm)	(LED)(up to 100000 hours) + precision interference filters
Working wavelength	589nm (Sodium D Spectrum)	Standard : 546, 589nm Optional: 365, 405, 436, 578, 633nm 589, 880nm	589nm (Sodium D Spectrum)
Measurement range	$\pm 90^\circ$ (Optical Rotation) $\pm 259^\circ Z$ (Sugar)		
Minimum reading	0.0001°	0.001°	0.001°
Accuracy	$\pm 0.003^\circ$	$\pm 0.004^\circ$	$\pm 0.004^\circ$
Repeatability	$\pm 0.002^\circ$		
Min. transmission of samples able to be measured	0.01%	0.1%	0.05%
Response speed	8°/S		
Measurement time	6 times/26s		
Sample temperature control	Yes		
Temperature Control mode	Peltier(Built-in)		
Temperature Control range	10-50°C		
Temperature Control accuracy	$\pm 0.2^\circ C$		
Operation system	WINDOWS		
Display	8-inch color dot matrix touch LCD		
Calibration method	Multi-point automatic calibration		
Data storage	16G Database		
GMP Regulations	Qualified		
Output communication interface	USB / Keyboard / Mouse / Universal Printer / VGA / Ethernet / Optical wireless card for wireless internet access		
Test tubes	200mm 100mm(regular) 100mm(temp control)		
Optional tubes	50mm(regular) 200mm(temp control)		
Weight(Gross)	36kg		
Dimensions	860mm×510mm×470mm		