

**INE-SGW-5/3, Automatic Polarimeters**

- At least 2 wavelengths to 6 wavelengths can be selected;
- Need not to prewarm when turning on;
- Measuring specific rotation, optical rotation, sugar degree and concentration;
- Automatic repetition-measurement for 6 times, and calculation of average value and means square root;
- Peltier principle to control the temperature;
- Measurement of dark-colored sample;
- USB.

Model	INE-SGW-5	INE-SGW-3
Measurement mode	Optical rotation, specific rotation, sugar degree, concentration	
Light source	20W halogen tungsten lamp	LED
Measurement range	$\pm 89.999^\circ$ (optical rotation) $\pm 259^\circ Z$ (sugar)	$\pm 89^\circ$ (optical rotation) $\pm 257^\circ Z$ (sugar)
Working wavelength	546,589nm(standard) 405,436,578,633nm(optional)	589.3nm
Minimum indicating value	0.001°(optical rotation)	0.001°, 0.01°Z
Accuracy	± 0.01 ($-15^\circ \leq$ optical rotation $\leq +15^\circ$) ± 0.02 (optical rotation< -15° or optical rotation > $+15^\circ$)	
Repeatability	0.002° ($-45^\circ \leq$ optical rotation $\leq +45^\circ$) 0.005° (optical rotation< -45° or optical rotation> $+45^\circ$)	0.002° (0.006°Z)
Temperature control range		15–30°C
Temperature accuracy		$\pm 0.5^\circ C$
Display		7 inch color touch screen
Operation system		Windows
Test tubes		200mm/100mm(regular) 100mm(temp control)
Sample transmittance		>1%
Interface		USB
Data storage		1500 sets
Operation voltage		220V $\pm 22V$, 50Hz or 110V $\pm 11V$, 60Hz
Weight (Gross)	36kg	40kg
Overall Dimensions		850mm 500mm 470mm