

POLARIMETERS & REFRACTOMETERS



Standard Automatic Polarimeter IAP-200 Series is designed for use in many applications that require measurement of optical rotation and best suited for optical rotation, specific rotation, and sugar degree, concentration in pharmaceutical, chemical, foods and research applications. Designed with 589 nm, color touch screen and includes polarimeter tubes of 100 mm and 200 mm, and a spare sodium lamp, with sample transmittance up to 1% range. Better-quality usability with the use of touch screen display. Achieve a high measurement accuracy of up to ± 0.01 . Automatically prints out Optical rotation, specific rotation, sugar degree, concentration.

Standard Automatic Polarimeter IAP-240 is ideal for measurement of rotation of polarization plane and best suited for optical rotation, specific rotation, sugar degree, concentration with accuracy up to $\pm 0.01^\circ\text{C}$, and $\leq 0.002^\circ\text{C}$ total repeatability and glass tubes: 100 and 200 mm, 15mm diameter.

Standard Automatic Polarimeter IAP-260 is ideal for measurement of rotation of polarization plane and best suited for optical rotation, specific rotation, sugar degree, concentration with accuracy up to $\pm 0.01^\circ\text{C}$, and $\leq 0.002^\circ\text{C}$ total repeatability and glass tubes: 100 and 200 mm, 15mm diameter.

- Designed with photoelectric test and microcomputer control
- Suitable for specific rotation, optical rotation, sugar degree and concentration
- Maximum temperature range from 15°C to 30°C
- CE certified
- Designed with LED display along with interference filter
- Capabilities to store of six times results and design to calculate average values
- Integrated with polarimeter tubes of 100 mm and 200 mm
- Need no requirement to warm up before measurement
- Measurement of dark-colored sample
- Support RS232 interface and USB

Technical Specifications

Model	IAP-240	IAP-260
Wavelength	589 nm	
Accuracy	$\pm 0.01^\circ\text{C}$ (-15° ? optical rotation ? $+15^\circ$)	
Repeatability	0.002 $^\circ\text{C}$ (optical rotation)	
Temperature Accuracy	-	$\pm 0.5^\circ$
Temperature Range	-	15 to 30°
Measurement Range		
Measurement Modes	Optical rotation, specific rotation, sugar degree, concentration	
Source	LED + interference filter	
Display	Colour Touch Screen	
Test Tube	100 mm to 200 mm (regular)	
Minimum Indicating Value	0.001 $^\circ\text{C}$ (optical rotation)	
Sample Transmittance	1%	
Certifications	CE	
Interface	RS232/USB	
Power Consumption		
Dimension	820×500×510 mm	
Weight	48 kg	
Electrical Requirement		
Catalogue No.	4601005-04	4601010-04

