

Standard Automatic Polarimeters IAP-240



Standard Automatic Polarimeter IAP-240 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.

Technical Specification:

Model	IAP-240
Measuring range	$\pm 45^\circ$ (optical rotation) $\pm 120^\circ$
Accuracy	$\pm 0.01^\circ\text{C}$ ($-15^\circ \leq \text{optical rotation} \leq +15^\circ$)
Repeatability	0.002 $^\circ\text{C}$ (optical rotation)
Wavelengths	589 nm
Dimensions (L x W x H)	820×500×510 mm
Weight	48 kg
Interfaces	RS232/USB
Light Source	LED + interference filter
Certification	CE
Display	Colour Touch Screen
Measurement Modes	Optical rotation, specific rotation, sugar degree, concentration
Catalogue No.	4601005-04

Technical Data:

Model	IAP-240	IAP-260
Wavelength	589 nm	
Accuracy	$\pm 0.01^\circ\text{C}$ ($-15^\circ \leq \text{optical rotation} \leq +15^\circ$)	
Repeatability	0.002 $^\circ\text{C}$ (optical rotation)	
Temperature Accuracy	-	$\pm 0.5^\circ$
Temperature Range	-	15 to 30 $^\circ$
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



Iris Analytical Ltd.

66 W Flagler St #900 Miami, Florida 33130 United States