

Basic Automatic Polarimeter IAP-120



Basic Automatic Polarimeter IAP-120 is designed for use in many applications that require measurement of optical rotation and best suited for optical rotation, sugar degree in pharmaceutical, chemical, food and research applications. Designed with 589.44 nm, 5-inch LCD light source and includes polarimeter tubes of 100 mm and 200 mm, and a spare sodium lamp, with sample transmittance up to 10 %, and 1% range. Better-quality usability with the use of touch screen display. Achieve a high measurement accuracy of up to $\pm (0.01 + \text{measuring value} \times 0.05\%)$ °C. Automatically prints out Optical rotation, sugar degree.

Basic Automatic C total repeatability and glass tubes: 100 and 200 mm, 15mm diameter. Polarimeter IAP-120 is ideal for measurement of rotation of polarization plane and best suited for optical rotation with accuracy up to $\pm 0.01^\circ\text{C}$, and $\leq 0.01^\circ$

Technical Specification:

Model	IAP-120
Measuring range	$\pm 45^\circ(\text{optical rotation}) \pm 120^\circ$
Accuracy	$\pm (0.01 + \text{measuring value} \times 0.05\%)^\circ\text{C}$
Repeatability	$\leq 0.002^\circ\text{C}$
Wavelengths	589.44 nm
Dimensions (L x W x H)	730×480×470 mm
Weight	33 kg
Interfaces	RS232
Data Storage	LED
Certification	CE
Display	5-inch LCD
Measurement Modes	Optical rotation, sugar degree
Catalogue No.	4600510-04

Technical Data:

Model	IAP-110	IAP-120
Wavelength	589.44 nm	
Accuracy	$\pm (0.01 + \text{measuring value} \times 0.05\%)^\circ\text{C}$	
Repeatability	$\pm 0.01^\circ\text{C}$	$\pm 0.002^\circ\text{C}$
Measurement Range	$\pm 45^\circ(\text{Optical rotation})$	$\pm 45^\circ(\text{optical rotation}) \pm 120^\circ$
Measurement Modes	Optical rotation	Optical rotation, sugar degree
Source	LED	
Display	5-inch LCD	
Test Tube	100 mm or 200 mm (regular)	
Minimum Indicating Value	$0.002^\circ\text{C}(\text{optical rotation})$	$0.001^\circ\text{C}(\text{optical rotation}) 0.01^\circ$
Sample Transmittance	10%	1%
Certifications	CE	
Interface	RS232	
Dimension	730×480×470 mm	
Weight	33 kg	
Electrical Requirement	-	
Catalogue No.	4600505-04	4600510-04



Iris Analytical Ltd.

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