IRIS ANALYTICAL

POLARIMETERS & REFRACTOMETERS





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Basic Automatic Polarimeter IAP-100 Series 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 ± (0.01 and measuring valuex 0.05%) °C. Automatically prints out Optical rotation, sugar degree.

Basic Automatic Polarimeters IAP-110 is ideal for measurement of rotation of polarization plane and best suited for optical rotation with accuracy up to ±0.01°C, and ≤0.01°C total repeatability and glass tubes: 100 and 200 mm, 15mm diameter.

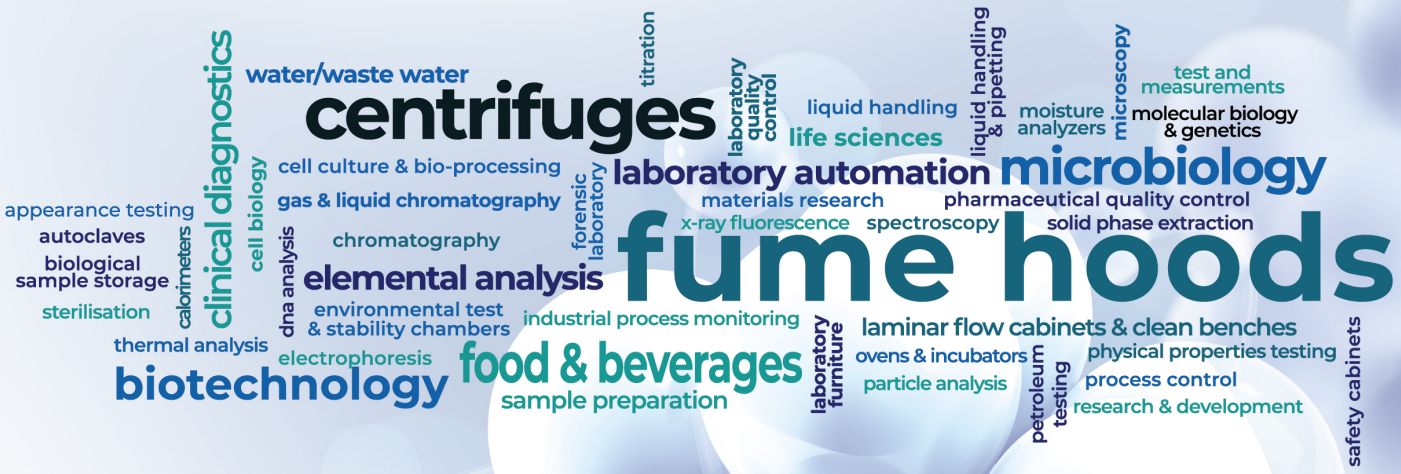
Basic Automatic Polarimeters IAP-120 is ideal for measurement of rotation of polarization plane and best suited for optical rotation with accuracy up to ±0.01°C, and ≤0.002°C total repeatability and glass tubes: 100 and 200 mm, 15mm diameter.

- Designed with photoelectric test and microcomputer control
- Suitable for optical rotation and sugar degree application
- CE certified
- Designed with 5-inch LCD display
- Capabilities to store of three times results and design to calculate average values
- Integrated with polarimeter tubes of 100 mm and 200 mm
- Support RS232 interface

Technical Specifications

Model	IAP-110	IAP-120
Wavelength	589.44 nm	
Accuracy	±(0.01+measuring value x 0.05%)°C	
Repeatability	?0.01°C	?0.002°C
Measurement Range	±45°C(Optical rotation)	±45°(optical rotation)±120°
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°C(optical rotation)	0.001°C(optical rotation)0.01°
Sample Transmittance	10%	1%
Certifications	CE	
Interface	RS232	
Power Consumption		
Dimension	730×480×470 mm	
Weight	33 kg	
Electrical Requirement		
Catalogue No.	4600505-04	4600510-04

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