Precision Automatic Polarimeter IAP-390



Precision Automatic Polarimeter IAP-390 is designed for use in many applications that require measurement of optical rotation and best suited for custom optical rotation, specific rotation, sugar degree and concentration. Designed with 589.44 nm, 8-inch color dot matrix touch LCD and includes polarimeters tubes of 100 mm and 200 mm, and a spare sodium lamp, with sample transmittance up to 0.10% and 0.01% range. Better-quality usability with the use of touch screen display. Achieve a high measurement accuracy of up to ± 0.003. Automatically prints out Optical rotation, specific rotation, sugar degree, concentration.

Precision Automatic Polarimeter IAP-390 is ideal for measurement of rotation of polarization plane and best suited for optical rotation, specific rotation, sugar degree, concentration with accuracy up to ±0.003°C, and ≤0.002°C total repeatability and glass tubes: 100 and 200 mm, 15mm diameter.

Technical Specification:

Model	IAP-390
Measuring range	±90°(Rotation) ±259°Z(Sugar)
Wavelengths	589.44 nm (Sodium D Spectrum)
Temperature Accuracy	±0.1℃
Temperature control range	10-50℃
Dimensions (L x W x H)	860×510×470 mm
Weight	36 kg
Interfaces	USB/Keyboard/Mouse/Universal Printer/VGA/Ethernet/Optical wireless card for wireless internet
Light Source	LED
Certification	CE
Display	8-inch colour dot matrix touch LCD
Measurement Modes	Optical rotation, specific rotation, sugar degree and concentration (Custom)
Catalogue No.	4601520-04

Technical Data:

Model	IAP-360	IAP-370	IAP-380	IAP-390
Wavelength	589.44 nm (Sodium D Spectrum)			
Accuracy	±0.006°C	±0.004°C		±0.003°C
Repeatability	?0.002°C			
Calibration	Multi-point automatic calibration			
Frequently Used Methods	30		300	
Minimum Transmission of Samples	0.10%			0.01%
Response Speed	8°C/S			
Temperature Accuracy	-	±0.1?		
Temperature Range	-	10-50?		
Measurement Range	±90°(Rotation) ±259°Z(Sugar)			
Measurement Modes	Optical rotation, specific rotation, sugar degree and concentration (Custom)			
Source	LED			
Display	8-inch colour dot matrix touch LCD			
Test Tube	200/100 mm	200/100 mm(regular) 100 mm(temp control)		
Certifications	CE			
Storage				
Interface	USB/Printer/Ethernet	USB/Keyboard/Mouse/Universal Printer/VGA/Ethernet/Optical wireless card for wireless internet		
Power Consumption				
Dimension	860×510×470 mm			
Weight	36 kg			
Electrical Requirement	-			
Catalogue No.	4601505-04	4601510-04	4601515-04	4601520-04



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