BIOBASE

Polarimeter

Polarimeter

Features:

* Automatic calibration function, to calibrate optical rotation via five standard points(BK-P810A, BK-P850A).
* Peltier temperature control; temperature range: 15~30℃, temperature accuracy: ±0.3℃(BK-P850, BK-P850A).
* 5.6″ color touch screen for displaying and operating, WINDOWS operating interface.
* Wide measuring range: optical rotation: ±89.99°, optical specific rotation: 259°Z.

Technical Parameters:

Model	BK-P810	BK-P810A	BK-P810Pro	BK-P850	BK-P850A	BK-P850Pro
Light Source	LED lamp					
Measuring Range	±89.99°, 259°Z					
Wavelength	589.3nm					
Readable Accuary	0.001°					
Measuring Accuracy	0.02°					
Repeatability	0.002°					
Sample Transmittance	> 0.1%					
Temp. Control Range	\			Built in Peltier, 15 -30℃, ±0.3℃		
Test Mode	Optical rotation, optical specific rotation, concentration, sugar scale Z					
Display	5.6'' color touch screen; (8'' color touch screen for BK-P810Pro/850Pro)					
Data Storage Capacity	1000sets; (8GB for BK-P810Pro/850Pro)					
Interface	RS232 or USB; Excel format and "Blue Ocean" format; (WI-FI for BK-P810Pro/850Pro)					
Atlas Duration	4 Hours only for BK-P810Pro/P850Pro					
Power Consumption	250W					
Power Supply	AC220V±10%, 50Hz					
External Size(W*D*H)	708*330*287mm					
Package Size(W*D*H)	840*455*445mm					
Gross Weight	30kg			40kg		
• " A" in BK-P810A and BK-P850A mean automatic calibrate optical rotation.						

Automatic Polarimeter

BK-P1/2

BK-P3

Features:

* LCD Display
* Photoelectric test and microcomputer control.
* Preheating is not needed. (Only for BK-P1 and BK-P2 Model).
* Dark-colored sample can be measure. (Only for BK-P1 and BK-P2 Model).
* Automatic repetition-measurement for 6 times, and calculation of average value and means square root.
* Sample chamber adopts constant temperature designing in order to reduce the temperature heating influence.

Technical Parameters:

Model	BK-P1	BK-P2	BK-P3
Light Source	LED lamp		
Measuring range	±45°(optical rotation) /±120° Z(sugar)		
Wavelength	589nm		
Readable Accuracy	0.001°(optical rotation)		
Measuring Accuracy	±0.01°(-15°≤ optical rotation≤ +15°) ±0.02°(optical rotation＜ -15°or optical rotation＞ +15°)		±(0.01+measurement value*0.05%)°(optical rotation)
Repeatability	0.002°(optical rotation)		≤0.003°(optical rotation)
Sample Transmittance	1%		/
Temperature Control Range	/	15~30℃	/
Temperature Accuracy	±0.5℃		/
Test Mode	Optical rotation,specific rotation, concentration,sugar degree		
Test Tube	200mm, 100mm	200mm, 100mm, 100mm (Constant Temperature tube)	200mm,100mm
Interface	USB&RS232		USB
Power Supply	AC110/220V+10%,50/60Hz		
External Size(W*D*H)	690*370*280mm		570*350*280mm
Package Size(W*D*H)	820*500*510mm		730*480*470mm
Gross Weight	43kg		36kg