



Automatic Polarimeter Series

The instrument of rotation is the material spiral. Through the rotation of the sample measurement, can be analyzed to determine the concentration of the substance, content, purity, and so on. Good navigation rotation built-in parr (peltier) precise temperature control system, automatic photoelectric detection technology and humanized human-computer interface, with precise measurement process, the advantages of reliable and convenient operation, widely used in sugar, pharmacy, drug testing, food, spices, monosodium glutamate and chemical, oil and other industrial production, scientific research, teaching department, for laboratory analysis or process quality control.

Improve innovative efficiency

Built in Parr(Peltier) precise temperature control system;

Optical rotation, rotation, concentration, sugar concentration of four kinds of optional test mode;

The scope of the measurement is upgraded to +89 degrees(Xuan Guangdu); 4: control using a systematic, highly integrated, fully automated, easy to operate.

◆ The Main Technical Parameters

Model	JH-P100	JH-P200
Measurement model	Optical rotation,	Optical rotation, rotation, concentration and sugar
Calibration mode	—	—
Measuring range	$\pm 45.0^\circ$	$\pm 89.99^\circ$
Accuracy	$\pm 0.01^\circ$ ($-45^\circ \leq \text{optical rotation} \leq +45^\circ$)	$\pm 0.01^\circ$ ($-45^\circ \leq (\text{optical rotation}) \leq +45^\circ$)
Min. reading	0.01° (optical rotation)	0.001° (optical rotation)
Repeatability (standard deviation s)	0.02° (optical rotation)	0.002° (optical rotation)
Measurable sample min. transmittance	1%	1%
Working wavelength	LED	LED
Working wavelength	589.3nm	589.3nm
Interface	USB, RS232	USB, RS232
Data storage capacity	3 groups	1000 groups
Display mode	LCD	TFT Touch screen
Power	220V AC $\pm 10\%$ 50Hz	220V AC $\pm 10\%$ 50Hz
Rated power	220w	250w
Net weight	20kg	24kg

◆ The Main Technical Parameters

Model	JH-P300	JH-P400
Measurement model	Optical rotation, rotation, concentration and sugar	Optical rotation, rotation, concentration and sugar
Calibration mode	—	automatic calibration
Measuring range	$\pm 89.99^\circ$	$\pm 89.99^\circ$
	$\pm 259^\circ$ Z	$\pm 259^\circ$ Z
Accuracy	$\pm 0.01^\circ$ ($-45^\circ \leq \text{optical rotation} \leq +45^\circ$)	$\pm 0.01^\circ$ ($-45^\circ \leq (\text{optical rotation}) \leq +45^\circ$)
Min. reading	0.001° (optical rotation)	0.001° (optical rotation)
Repeatability (standard deviation s)	0.002° (optical rotation)	0.002° (optical rotation)
Measurable sample min. transmittance	1%	1%
Working wavelength	LED	LED
Working wavelength	589.3mm	589.3mm
Temperature control mode	Built-in semiconductor	Built-in semiconductor
Temperature control range	15°C–35°C	10°C–45°C
Temperature control accuracy	$\pm 0.2^\circ\text{C}$	$\pm 0.2^\circ\text{C}$
Interface	USB, RS232	USB, RS232
Data storage capacity	1000 groups	1000 groups
Display mode	TFT Touch screen	TFT Touch screen
Power	220V AC $\pm 10\%$ 50Hz	220V AC $\pm 10\%$ 50Hz
Rated power	250w	250w
Net weight	24kg	24kg

