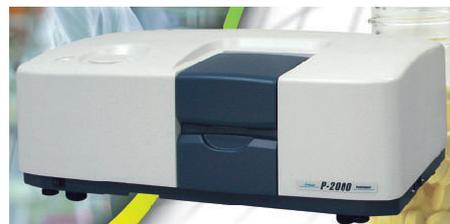


Jasco P-2000 Digital Polarimeter Specifications



Lamps and filters

Filter	Light Source		
	WI (Tungsten-Halogen lamp)	Na (Sodium lamp)	Hg (Mercury lamp)
880 mm	Quartz Faraday cell and R928		
633 mm			
589 mm			
578 mm			
546 mm			
436 mm			
405 mm			
365 mm			
334 mm	Quartz Faraday cell		Quartz Faraday cell
325 mm	Quartz Faraday cell		
313 mm			Quartz Faraday cell
302 mm			Quartz Faraday cell
296 mm			Quartz Faraday cell
280 mm			Quartz Faraday cell
254 mm			Quartz Faraday cell

Specifications

Principle	Automatic digital polarimeter with symmetric angular oscillation using the optical-null balance method
Light source	Tungsten-Halogen lamp (WI), Sodium lamp (Na), Mercury lamp (Hg) (Up to two light sources can be installed.)
Modulator	Faraday cell
Wavelength	880, 633, 589, 578, 546, 436, 405, 365, 334, 325, 313, 302, 296, 280, 254 nm
Aperture	1.8, 3 and 8 mm diameters
Angular range	±90°
Response speed	6°/sec
Measurement accuracy	±0.002° (up to 1°) ±0.2% (larger than 1°)
Repeatability	0.002°
Resolution	0.0001°
Integration time	1 - 100 sec
Detector	Photomultiplier tube (1P28-01) (R928 - option)
Readout modes	Optical rotation, optical specific rotation, concentration, sugar scale Z, Brix purity, optical purity
Temperature measurement range	0~40°C (minimum display temp.: 0.1°C)
Dimensions	653 (W) x 249 (D) x 364 (H) mm
Weight	Approx. 30 kg
Power requirement	AC100~240V ±10%, 50 or 60 Hz, 80 - 300 W

Optional accessories



PTC-203 Peltier cell holder

The PTC-203 Peltier sample cell holder (air cooled) is designed to accept both rectangular and cylindrical cells with a temperature accuracy of ±0.1°C.



SHP-201W Water jacket sipper

Two types of sample sippers, the SHP-201P Peltier temperature control system and the SHP-201W water-jacketed type for temperature control, are available for quick measurements of multiple samples.



PT-31 Peltier thermostatic bath

The PT-31 is a compact Peltier thermostatic bath whose dimensions are only 140 (L) x 80 (W) x 210 (H) mm. The temperature range is 8 to 40°C with a temperature accuracy of ±0.2°C.