



AUTOCHEM II 2920 CHEMISORPTION SPECIFICATIONS

Electrical:	Voltage: 85 to 265 VAC Frequency: 50/60 Hz Power: 1100 VA, operating, max.
Control Module:	Minimum Requirements Processor: Pentium 333 MHz or equivalent Operating System: Windows 2000 or XP Professional Memory: 128 megabyte of random-access memory RAM Hard Disk Space: 1-gigabyte hard drive Graphics Card: 800 x 600 super VGA One CD ROM drive
Options:	Vapor Generator CryoCooler
Temperature system:	Range: -70 to 1100 °C with Cryo-Cooler option Ambient to 1100°C (without CryoCooler) Selection: Digitally set, 1 °C increments Ramp Rates: Up to 50°C per minute from 120 to 500 °C range Up to 30 °C per minute from 500 to 750 °C range Up to 10°C per minute from 750 to 1100 °C range
Gases:	Loop (Analysis): H ₂ , CO, O ₂ , N ₂ O, NH ₃ vapors such as pyridine, water, etc. Carrier: He, Ar, and other gases Preparation: H ₂ , O ₂ , He, Ar, and others
Gas Flow Rate:	All Mass Flow Controllers (MFCs) Manual Control: 0 to 100 mL/minute* Automatic Analysis: 10 to 75 mL/minute *Rate for Hydrogen; other gases have a different range.
Gas Delivery:	Inlet Ports: (12) 4 each for preparation gas, carrier gas and loop (analysis) gas Temp. Control: Internal gas lines and valves heated up to 150 °C
Sample Tube:	Type: Fused quartz Flow-Thru sample tubes, for use up to 1100 °C, accepts powders and pellets up to 9 mm in diameter
Physical:	Height: 62 cm (24.5 in.) Width: 66 cm (26.0 in.) Depth: 58 cm (22.75 in.) Weight: 60 Kg (130 lbs.)
Environment:	Temperature: 15°C to 35°C operating 0°C to 50°C nonoperating Humidity: 20 to 80% relative, non-condensing