

SPECIFICATIONS

ASAP[®] 2020A



CRYOGEN SYSTEM

Analysis Time	Unlimited. Cryogen dewars may be refilled without affecting the accuracy of results.
Capacity	3 liter dewar, which typically provides greater than 72 hours of unattended analysis.
Special Features	Isothermal Jackets maintain cryogen level constant on sample tube and PO tube during analysis while evaporation of cryogen occurs.

ELECTRICAL

Voltage	85-264 VAC
Frequency	47-63 Hz
Power	150 VA

ENVIRONMENT

Temperature	10 to 30 °C, operating 0 to 50 °C, storing or shipping
Humidity	20 to 80% relative, noncondensing

GASES

Argon, carbon dioxide, nitrogen, krypton, and other suitable gases

MANIFOLD TEMPERATURE TRANSDUCER

Type	Platinum resistance device (RTD)
Accuracy	+ 0.02 °C

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PHYSICAL

Height	94.5 cm (37.2 in)
Width	38.1 cm (15.0 in)
Depth (chassis)	59.0 cm (23.2 in)
Depth (with vacuum tube)	68.1 cm (27.1 in)
Weight	68 kg (150 lbs)

PRESSURE MEASUREMENT

Accuracy: Includes nonlinearity, hysteresis, and nonrepeatability. Transducer manufacturer's specifications. All within 0.15% of reading.

Range	0 to 950 mmHg
Resolution	1000 mmHg Transducer: 0.001 mmHg 10 mmHg Transducer: 0.00001 mmHg 0.1 mmHg Transducer: 0.0000001 mmHg

SAMPLE SIZE

Sample tubes are available for various size pellets, cores, and powders. Sample tube stems are normally 1.27 cm (½ in) OD with 9 cc bulbs. Also available are 0.635 cm (¼ in) or 0.953 cm (⅜ in) OD with 9 cc bulbs. A 22-mm (0.87 in) ID, 25 mm (1.0 in) OD sample tube kit is also available. Special tubes can be designed to accommodate unusual samples.

SYSTEM CAPACITY

Analysis	1 sample port and 1 saturation pressure tube
Total Operating Capacity	Up to four complete analysis units can be controlled independently by one computer. Single port, up to four individual instruments can share a single turbo vacuum system*

COMPUTER REQUIREMENTS

Windows 7 Professional or higher operating system is recommended for the best user experience. If the computer is to be connected to a network, a second Ethernet port on the computer must be used for that purpose.

All users of the application will need Read/Write permission to all directories and subdirectories where the application is installed.

* For optimum performance on a microporous sample, a dedicated vacuum pump is recommended

Due to continuous improvements, specifications are subject to change without notice.