



SPECIFICATION SHEET

ASAP 2460 SURFACE AREA AND POROSIMETER ANALYZER

High Performance and High Sample Throughput

The Micromeritics® ASAP® 2460 Surface Area and Porosimetry Analyzer incorporates a unique expandable system designed for high performance and high sample throughput.

The base ASAP 2460 is a two-port master control unit. For more throughput, additional two-port auxiliary units can be connected to the master unit expanding the system to either a four-port or six-port analyzer.



Specifications

Electrical

Voltage	100/115/230 VAC (±10%)
Frequency	50 or 60 Hz
Power	800 VA, exclusive of vacuum pumps, which are powered separately

Environment

Temperature	10 to 30 °C, operating -10 to 55 °C, storage or shipping
Humidity	Up to 90% (non-condensing) for instrument

Capacity

Analysis System	2, 4, or 6 sample ports (for krypton analysis, one sample port is used for dosing), each with a continuously monitored saturation pressure port
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Analysis System

Manifold Temperature Transducer	Type: Platinum resistance device (RTD) Accuracy: ±0.10 °C by keyboard entry Stability: ±0.10 °C per month
Manifold Pressure Transducers	Range: 0 to 950 mmHg operating: 1000 mmHg maximum 0 to 10 mmHg added for Krypton option Resolution: 1000 mmHg Transducer: 0.001 mmHg 10 mmHg Transducer ¹ : 0.00001 mmHg 1 mmHg Transducer ² : 0.000001 mmHg Accuracy: 1000 mmHg Transducer: within 0.1% of FS 10 mmHg Transducer ¹ : within 0.15% of reading 1 mmHg Transducer ² : within 0.12% of reading
Sample Port Transducers and Po Port Transducers	Range: 0 to 950 mmHg Resolution: 0.001 mmHg Accuracy: ±0.1% Full Scale
Vacuum Transducer	Type: Thermocouple Range: 0.001 to 1 mmHg

Vacuum System

Pumps ³	Nitrogen: Oil-sealed pump Krypton & enhanced micropore option: High-vacuum pump
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Physical

Height	94 cm (37 in.)
Width	38 cm (15 in.)
Depth	59 cm (23 in.)
Weight	54 kg (119 lb)

Computer Requirements

Windows 10 Professional or Windows 10 Enterprise or higher operating system (64 bit) ⁵ USB port ⁶ Ethernet port (10 base T or 100 base T)

Includes nonlinearity, hysteresis, and non-repeatability

¹The 10-mmHg transducer is active only when performing krypton analyses

²The 1-mmHg transducer is presented only in the enhanced micropore option

³Oil-free and high vacuum pump: 3.8 × 10⁻⁹ mmHg ultimate vacuum⁴

⁴Ultimate vacuum measured by pump manufacturer according to Pneurop Standard 5608

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

⁵Not be installed on a network drive with shared access. Multiple users cannot operate the application at the same time.

⁶One additional USB port must be available for Instrument.

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