

SPECIFICATIONS

AutoPore[®] V Series



ELECTRICAL

Voltage	100/120/220/240 VAC \pm 10%
Frequency	50/60 Hz
Power	500 VA maximum

GAS

Nitrogen or other clean, dry gas at 50 psig (345 kPa)

HIGH PRESSURE MODEL 9605

Measurement	From atmospheric pressure to 33,000 psia
Resolution	0.165 psia from 3,300 psia to 33,000 psia
Transducer Accuracy	\pm .1% of full scale (transducer manufacturer's specifications)
Transducer Hysteresis	.05% of full scale
Pore Diameter Range	6 to 0.005 μ m
Servo Control Precision	0.5% of target, min 5 psia, no overshoot

HIGH PRESSURE MODEL 9620

Measurement	From atmospheric pressure to 60,000 psia
Resolution	0.03 psia from atmospheric pressure to 60,000 psia
Transducer Accuracy	\pm .1% of full scale (transducer manufacturer's specifications)

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Transducer Hysteresis	.05% of full scale
Pore Diameter Range	6 to 0.003 μm
Servo Control Precision	0.5% of target, min 5 psia, no overshoot

INTRUSION

Resolution	Better than 0.1 all
Accuracy	$\pm 1\%$ of maximum penetrometer stem volume

LOW PRESSURE

Measurement	0.2 to 50 psia (345 kPa)
Resolution	0.00025 psi
Pore Diameter Range	500 to 3.6 μm
Transducer Accuracy	$\pm 1\%$ of full scale (transducer manufacturer's specifications)
Servo Control Precision	1% of target, min, .05 psia, no overshoot

PENETROMETERS

Stem Intrusion Volumes	0.38, 1.1, 1.7, 3.1, and 3.9 cc
Sample Size	Maximum: a cylinder 2.54 cm diameter \times 2.54 cm long (1 in. diameter \times 1 in. long)

PHYSICAL

Height	143 cm (56.25 in.)
Width	54.3 cm (21.38 in.)
Depth	78 cm (30.75 in.)
Weight	250 kg (550 lb)

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COMPUTER REQUIREMENTS

64 bit, 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.

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