

# SPECIFICATIONS

## AutoPore<sup>®</sup> V Series



### ELECTRICAL

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

### GAS

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

### HIGH PRESSURE MODEL 9605

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

### HIGH PRESSURE MODEL 9620

<b>Measurement</b>	From atmospheric pressure to 60,000 psia
<b>Resolution</b>	0.03 psia from atmospheric pressure to 60,000 psia
<b>Transducer Accuracy</b>	$\pm$ .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 $\mu\text{m}$
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 $\mu\text{m}$
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<sup>®</sup> 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.*