

PoreMaster® Series Porosimeters - Automatic Pore Size Analyzers

The PoreMaster consists of three automatic mercury intrusion porosimeters offering new concepts in automated pore size analysis.

The **PoreMaster 33** porosimeter achieves a maximum pressure of 33,000 psia for pore size measurements in the range from over 950 micron to 0.0064 micron pore diameter. Two low pressure stations plus one high pressure station.

The **PoreMaster 60** porosimeter generates pressure to 60,000 psia for pore size analysis from over 950 micron to 0.0036 micron pore diameter. Two low pressure stations plus one high pressure station.

*For greater sample throughput, you might be interested in the two high pressure stations offered by the **PoreMaster GT Series**.*



The **PoreMaster Macro** (shown above) porosimeter operates from approximately 0.2 psia to 50 psia for high-resolution pore size measurements in the range from over 950 micron to 4 micron pore diameter. Two low pressure stations only.



The programmable **PoreMaster®** mercury intrusion porosimeter.

PoreMaster Specifications

Transducer Pressure Range	PoreMaster 60	PoreMaster 33
0 - 50 psia*	950 - 4.26 μm dia.	950 - 4.26 μm dia.
§ Accuracy:	± 0.11 % fso**	± 0.11 % fso
Resolution:	0.000763 psia	0.000763 psia
0 - 1500 psia	10.66 - 0.142 μm dia.	10.66 - 0.142 μm dia.(Upgrade)
§ Accuracy:	± 0.11 % fso	± 0.11 % fso
Resolution:	0.0229 psia	0.0229 psia
0 - Maximum psia	10.66 - 0.0036 μm dia.	10.66 - 0.0064 μm dia.
§ Non-linearity:	± 0.05 % fso	± 0.05 % fso
§ Hysteresis:	± 0.10 % fso	± 0.10 % fso
Resolution:	0.916 psia	0.511 psia
*Pounds per Square Inch Absolute	** Full Scale Output	§ Manufacturer's Specifications

Sample Volume	Intrusion Capacity	Volume Resolution
3.2 cc	2.0 cc	9×10^{-5} cc
3.2 cc	0.5 cc	3×10^{-5} cc
6.6 cc	2.0 cc	9×10^{-5} cc
6.6 cc	0.5 cc	3×10^{-5} cc
18.0 cc	2.0 cc	9×10^{-5} cc
18.0 cc	0.5 cc	3×10^{-5} cc

Physical		
Width:	20.25 in.	51.44 cm
Depth:	25.50 in.	64.77 cm
Height:	30.75 in.	78.11 cm
Weight:	398 lbs.	179 kg

Electrical	
Mains:	100 - 240 volts AC, 50 Hz/60 Hz
Power:	1000 VA