

# Mercury /Non-Mercury Intrusion Porosimeter



**Year of Purchase:** 2014

**Cost:** USD 35650

## Description

The PMI Mercury / Nonmercury Intrusion Porosimeter is a versatile and accurate instrument used to determine properties such as pore size distribution, total pore volume, surface area, and bulk and absolute densities of solid and powder samples. With unlimited user-defined data-points, automated data collection and reduction, and the least mercury exposure of any porosimeter on the market, PMI's Mercury/Nonmercury Porosimeter is safe, reliable, and precise.

- Unlimited user-defined data points based on pressure, volume, or a combination
- Displays both intrusion and extrusion curve
- Windows-based software handles all control, measurement, data collection, and report generation; manual control also possible
- Compatible with Windows XP or higher
- Real-time graphical test display depicts testing status and results throughout operation
- Length of test approximately 2 hours
- Wide range of acceptable sample sizes and types
- Multiple sample chambers available
- Minimal maintenance required
- Low level of mercury exposure
- No need for sample transfer from low pressure to high pressure stations and automatic mercury refill and clean up
- All stainless steel construction

<b>Pore Size Range</b>	<b>0.0035 – 500 microns</b>
<b>Surface Area Range</b>	1 – 100 m <sup>2</sup> /g
<b>Sample Size</b>	2.7 cm H x 2 cm D
<b>Pressure Range</b>	vacuum to 60,000 psi
<b>Pressurizing Gas</b>	air or isopropyl alcohol
<b>Pressure Transducer Range</b>	0 – 60,000 psi
<b>Resolution</b>	1 in 60,000
<b>Accuracy</b>	0.25% of reading
<b>Power Requirements</b>	110/220 VAC, 50/60 Hz (others available)
<b>Dimensions</b>	72" H x 30" W x 30" D
<b>Weight</b>	400 lbs