



**Porous Material Inc. (USA)**

## **Mercury/Non-mercury Porosimeter**



### **Description :**

The PMI Mercury/Non-mercury 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/Non-Mercury Porosimeter is safe, reliable, and precise.

### **Applications / Features :**

The PMI Mercury/Non-Mercury Porosimeter is an excellent R&D tool. Used in various industries ranging from automotive and pharmaceutical to paper, the Mercury/Non-mercury Porosimeter has tested samples such as brake pads, catalytic converter materials, coated papers, and powder precursors.

- ✚ 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 95 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

**Specifications :**

<b>Pore Size Range</b>	<b>0.0035 - 500 microns</b>
<b>Surface Area Range</b>	<b>1 - 100 m<sup>2</sup>/g</b>
<b>Sample Size</b>	<b>2.7 cm (H) x 2 cm (D)</b>
<b>Pressure Range</b>	<b>Vacuum to 60,000 PSI</b>
<b>Pressurizing Gas</b>	<b>Air or Isopropyl alcohol</b>
<b>Pressure Transducer Range</b>	<b>0 - 60,000 PSI</b>
<b>Resolution</b>	<b>1 in 20,000</b>
<b>Accuracy</b>	<b>0.25% of reading</b>
<b>Power Requirements</b>	<b>110/220 VAC, 50/60 Hz</b>
<b>Dimensions</b>	<b>72" H x 30" W x 30" D</b>
<b>Weight</b>	<b>400 lbs</b>

**Taiwan and China Area:**

**chia Yun Instrument Inc.**

**佳允股份有限公司**

TEL: +886-2-25419192 FAX: +886-2-25411553

**E-mail: [chiayun@cyi-pmi.com](mailto:chiayun@cyi-pmi.com)**

**Southeast Asia Area:**

**Porous Measurement Int'l Sdn. Bhd.**

**Kuala Lumpur Office:**

TEL: +60-3-42958324 H/P: +60-126954957

**E-mail: [info@cyi-pmi.com](mailto:info@cyi-pmi.com)**

**Web site : [www.cyi-pmi.com](http://www.cyi-pmi.com)**