



**Porous Material Inc. (USA)**

## **BET Liquisorb Product Resources**



### **Description :**

PMI's BET Liquisorb is a recent extension of the "classic" BET static nitrogen adsorption technique. The BET Liquisorb allows for the automated volumetric characterization of "liquid vapor" adsorption as a function of the increasing or decreasing partial pressure of the liquid vapor. This innovative instrument provides the user with a direct test of how a particular gas interacts with a solid, as a function of the temperature and concentration of the gas, and the temperature of the sample

### **Applications / Features :**

PMI's BET Liquisorb is an invaluable tool in a wide range of industries including ceramic, catalyst, and pharmaceutical. Specific applications for the BET Liquisorb include evaluating how quickly building materials will deteriorate based on their adsorption properties, properties of non-wovens such as moisture vapor transmission and adsorption, and properties of ceramics, including repulsion and adsorption.

- ✚ Testing under elevated temperatures possible
- ✚ Unlimited number of user defined data-points
- ✚ Windows-based software handles all control, measurement, data collection, and report

generation; complete manual control also possible

- Compatible with Windows 95 or higher
- Real-time graphical test display depicts testing status and results throughout operation
- Real-time visual test display depicts testing status and results throughout operation
- Non-destructive testing
- Length of test approximately 8 hours
- Wide range of acceptable sample types and sizes
- Multiple sample chambers available
- Minimal maintenance required

### Specifications :

Pore Size Range	3.5 Å - 2000 microns
Surface Area Range	0.01 m <sup>2</sup> /g - infinity
Sample Size	Up to 1 cm in diameter
Pressure Range	10 <sup>-6</sup> Torr - Atmospheric Pressure
Pressurizing Liquid	Any non-corrosive gas including nitrogen, krypton, argon, ammonia
Pressure Transducer Range	100 - 10,000 Torr
Accuracy	0.15%
Resolution	1 in 20,000
Power Requirements	110/220 VAC, 50/60 Hz
Dimensions	60" H x 24" W x 24" D
Weight	250 lbs

#### Taiwan and China Area:

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