

Membrane Test System

MTS2000

Features

- It can simulate the membrane production cycle.
- It can measure the flow change over time at a fixed pressure. (Flow trend monitoring)
- It can measure the pressure change over time at a fixed flow. (Pressure trend monitoring)
- It can monitor particle size and count before and after filtration in real-time.
- It can measure the filter efficiency of membranes or filters.
- High accuracy and resolution by volumetric particle counting sensor.
- Blank test unit is built-in.
- Backwashing unit is built-in.



SAM BO SCIENTIFIC CO., LTD.

B-401&402, 401 Yangcheonro, Gangseo-gu, Seoul 07528 Korea

TEL : +82-2-6968-5900, FAX : +82-2-6968-5918

Email : sambosc@sambosc.com

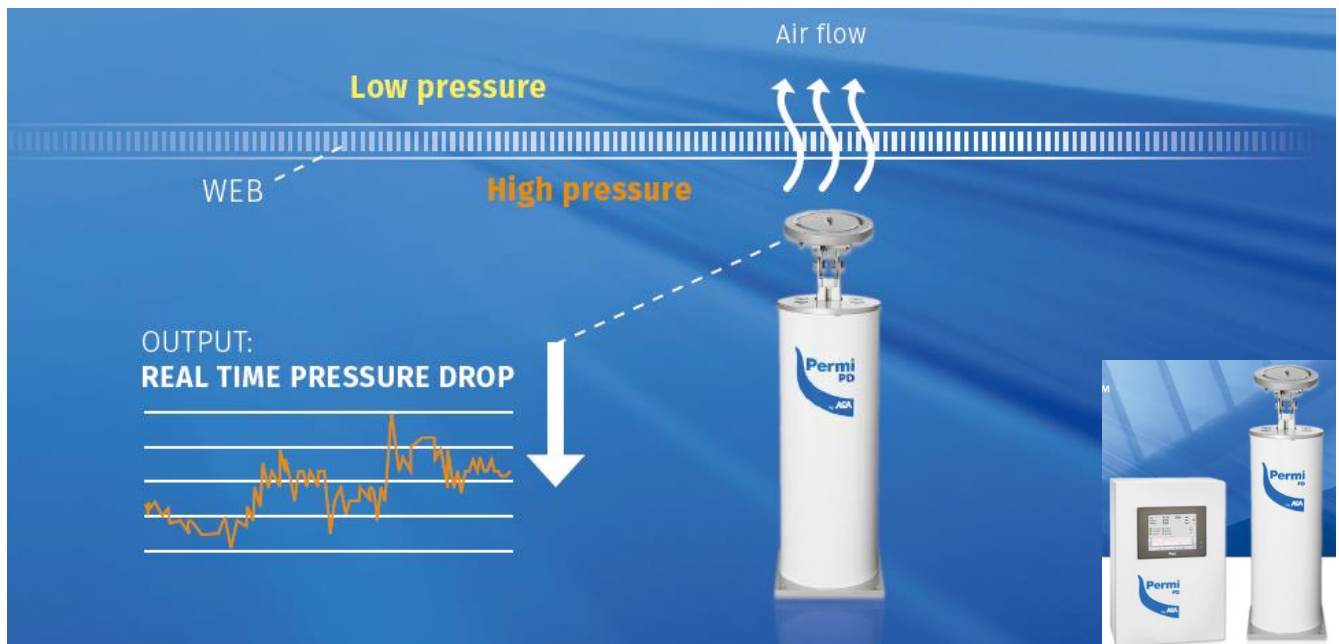
Website : www.sambosc.com



Online Permeability & Pressure Drop Analyzer **PERMI PD**

Features

- Online Pressure drop measurement.
- Flow measured at constant pressure, calculated as air permeability or pressure drop.
- One linear calibration for each grades due to wide measurement range.
- Automatic cleaning of the measurement head.
- Operational temperature : Up to 150 °C
- Uniform filtration results due to controlled quality
- Real time information about the process
- Provides fundamental understanding of the process and the quality factors influencing air permeability or pressure drop.
- Suitable for various types of filtration media (high or low porous)
- Process optimization
(ex. faster grade changes->less waste->better production efficiency)
- Reduces the need of laboratory measurements



SAM BO SCIENTIFIC CO., LTD. (Korea Exclusive Distributor of ACA in Finland)

B-401&402, 401 Yangcheonro, Gangseo-gu, Seoul 07528 Korea

TEL : +82-2-6968-5900, FAX : +82-2-6968-5918

Email : sambosc@sambosc.com

Website : www.sambosc.com

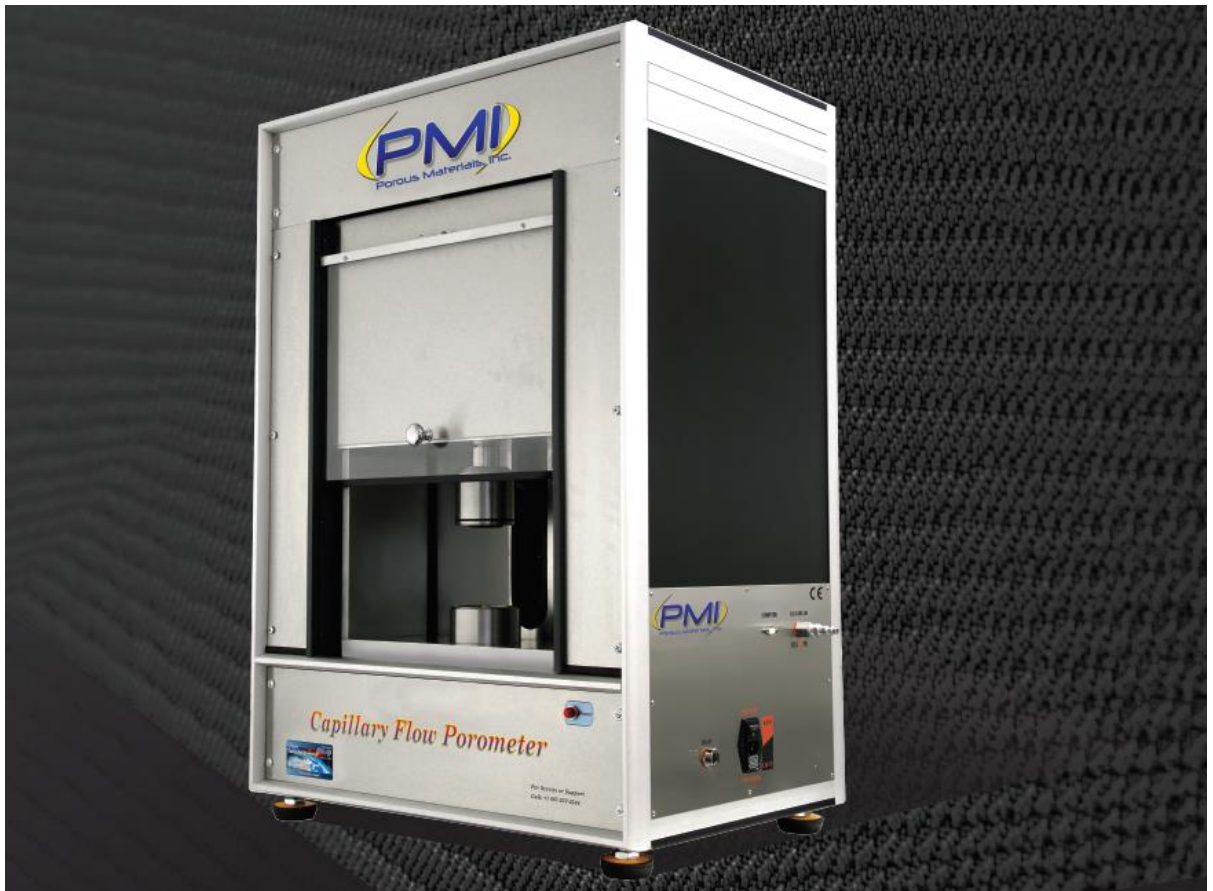
SB **삼보과학(주)**
SAM BO SCIENTIFIC

Capillary Flow Porometer

CFP-1500AE

Features

- Measurement of pore size distribution. Pore size range 0.013 ~ 600 microns.
- Testing of small samples as well as complete parts.
- Any sample geometry(example : sheets, rods, tubes, hollow fibers, cartridges etc.
- Any non-wetting liquid.
- Tests in QC, research, or any number of user defined modes.
- Real time graphic display
- Window based software for all control, measurement, data collection, data reduction and report presentation



SAM BO SCIENTIFIC CO., LTD. (Korea Exclusive Distributor of PMI in USA)

B-401&402, 401 Yangcheonro, Gangseo-gu, Seoul 07528 Korea

TEL : +82-2-6968-5900, FAX : +82-2-6968-5918

Email : sambosc@sambosc.com

Website : www.sambosc.com

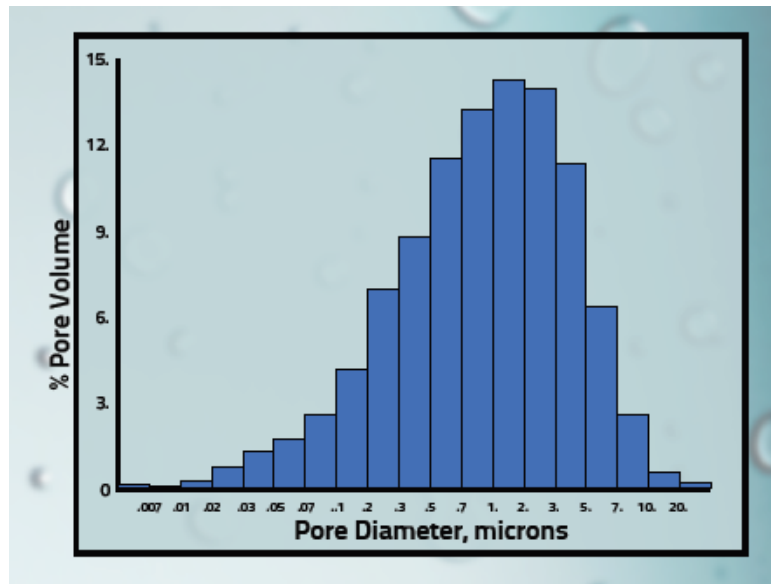


Water Intrusion Porosimeter

Aquapore

Features

- Measurement of total pore volume, pore diameter, pore volume distribution, hydrophobic blind pore, hydrophobic through process, and hysteresis of pores ranging from 0.005 to 20microns.
- Uses no toxic materials like mercury.
- Completely automated windows based simple operation.
- An order of magnitude lower intrusion pressure compared with mercury intrusion & minimal distortion of pore structure.
- Much less expensive instrument compared with mercury intrusion porosimeter.
- Optimal encoder utilized for measuring the change in volume.
- Windows controlled, fully automated test unit.
- Pure liquid(water or industrial alcohol) used with precise pressure control and pressurization – No mercury required!



Pore Volume VS. Pore Diameter

SAM BO SCIENTIFIC CO., LTD. (Korea Exclusive Distributor of PMI in USA)

B-401&402, 401 Yangcheonro, Gangseo-gu, Seoul 07528 Korea

TEL : +82-2-6968-5900, FAX : +82-2-6968-5918

Email : sambosc@sambosc.com

Website : www.sambosc.com



Zeta Potential Analyzer

ZetaCAD

Features

- ZetaCAD is able to measure the zeta potential of membrane sheets and fibers.
- It use the porous plug technique for zeta potential measurement.
- Applicable to particles above 50um diameter and flat surfaces.
- Reliable and simple to setup.
- Measurement and rinsing of the system are fully automated.
- Menu driven software Windows based.
- Data acquisition creates ASCII files which are directly compatible with common spreadsheets.
- Applications : Membranes, Pulp & Paper, Geology, Polymers, Water Treatment, Fiber and Textile, Ceramics etc.



SAM BO SCIENTIFIC CO., LTD. (Korea Exclusive Distributor of CAD in France)
B-401&402, 401 Yangcheonro, Gangseo-gu, Seoul 07528 Korea
TEL : +82-2-6968-5900, FAX : +82-2-6968-5918
Email : sambosc@sambosc.com
Website : www.sambosc.com