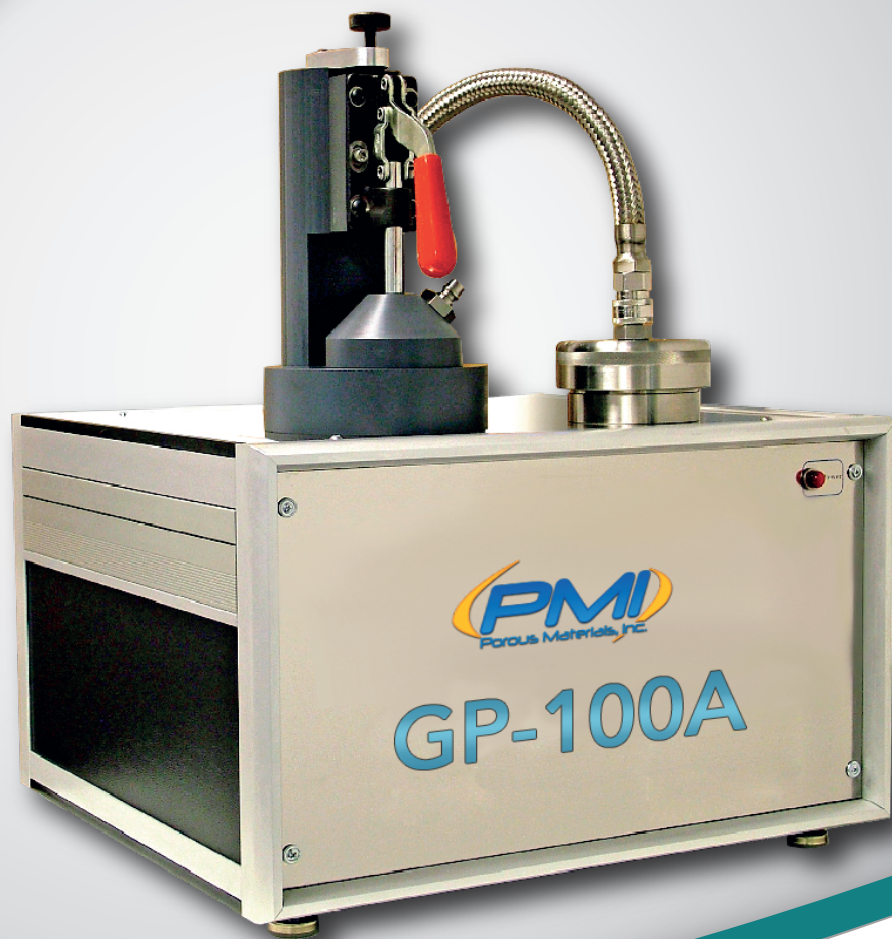


PMI EDUCATIONAL  
**GAS PERMEAMETER**  
GP-100A



Not just products...solutions.

# Description

The PMI Educational Gas Permeameter is designed for instructional use at universities and other teaching institutions. The instrument has a robust design to be forgiving of student use. It has been designed to simply illustrate the basic knowledge and principles the student should have and build on for increased understanding.

# Unique Features

- Values recorded and reported through PMI software
- Simple sample setup
- Core holder designed to remove operator error during loading process
- Simple test setup in PMI software
- Non-mercury testing
- Test with any dry, non-corrosive gas

## ***Types of Samples:***

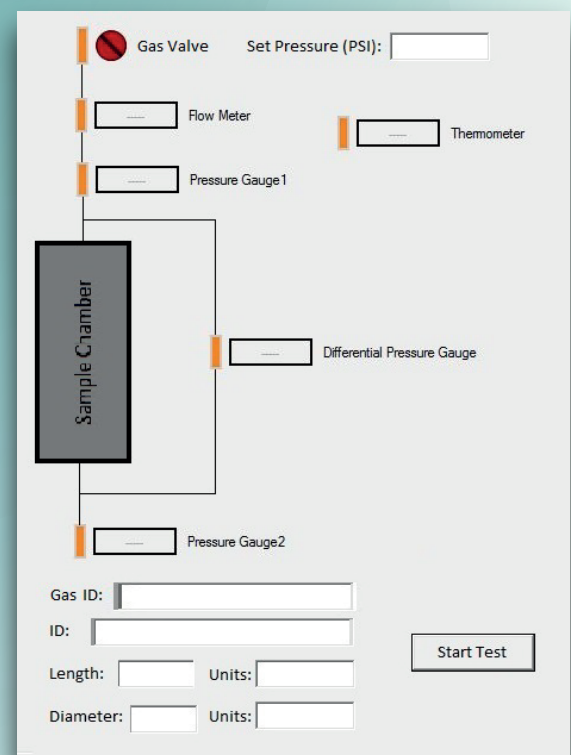
- Rock Cores

## ***Types of Tests:***

- Gas Permeability

## ***Reported Values:***

- Darcy value
- Pressure over Time (Before and After the sample)
- Differential Pressure over Time
- Temperature
- Flow Rate



Manual Control Screen



## Specifications

- Power: 220V
- Core Holder:
  - Length: 1" to 3"
  - Diameter: 1" to 1.5"
- Pressure Transducer: 100PSI
- Accuracy: 0.1% at full Scale
- Differential Pressure Gauge: 50 PSI, others available
- Thermometer:  $\pm 0.1^{\circ}\text{C}$
- Flow Meter: 10LPM, others available

## The Procedure

It can be used as in Auto mode or Manual mode. In manual mode every component can be controlled manually but at the same time no improper action is allowed. The user will load the sample into the chamber with appropriate spacers and sleeves, and the chamber is closed. The PMI software can also be used to setup a test and record the data over time. The data is exported into Excel with the Darcy value calculated for the sample.

## The Instrument

The PMI instrument has been designed with the user in mind. The sample setup is effortless and designed to work with a variety of samples. The software will fully control the instrument while running a test and in manual control. The data is automatically recorded and the reporting program will display the results for the test as well as export the results into Excel. The machine is robust and requires minimal maintenance for extended periods of time. The finest technology has been used in the production of this machine to provide the most accurate results.

## Sales & Service

Our sales team is dedicated to helping our customers find which machine is right for their situation. We also offer custom machines for customers with unique needs. To find out what we can do for you, contact us. We are committed to customer support including specific service products, short response times & customer specific solutions. To quickly & flexibly meet our customer's requirement, we offer a comprehensive range of services.



*Customize your Machine  
today*

**Disclaimer** : \* Other specifications for this machine are available.  
\* Design subject to change without notice

The most advanced, accurate, easy to use  
and reproducible Permeameters in the world.

*Celebrating*



*years*

*of solutions*



20 Dutch Mill Rd, Ithaca, NY 14850, USA  
Toll Free (US & Canada): 1-800-TALK-PMI (1-800-825-5764)  
Phone: 607-257-5544 Fax: 607-257-5639

Email: [info@pmiapp.com](mailto:info@pmiapp.com)

[www.pmiapp.com](http://www.pmiapp.com)

