

Automatic Gas Permeameter Model RCAGP-6



The Automatic Gas Permeameter is an automatic and highly accurate system for determining rock properties such as permeability, Klinkenberg permeability, pore volume, porosity and grain volume at overburden pressure. The system uses an unsteady state pulse decay technique for the permeability measurement.

The Model RCAGP-6 Automatic Gas Permeameter measures sample permeability to gas (air, nitrogen or helium) by the steady-state method. The Model RCAGP-6 performs all data calculations for a direct reading of permeability. The computer also insures stable flow conditions through statistical analysis of the pressures and flow rates measured. Permeability can be measured on plug samples from <0.1 mD to >10 D, depending on sample size. Even horizontal permeability on full diameter samples can be measured with the Model RCAGP-6 permeameter.

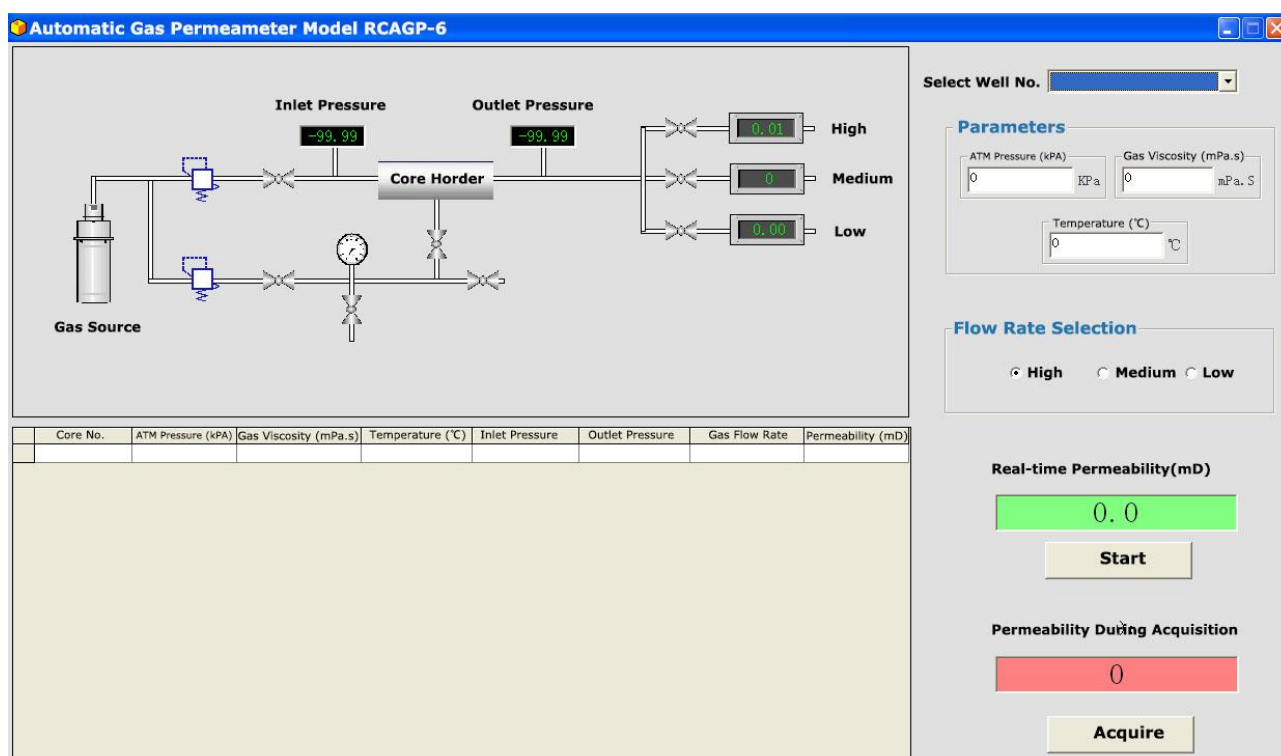
By varying the mean flowing pressure with the precision metering valve supplied in the unit, "non-reactive liquid permeability" (Klinkenberg permeability) can be measured between 0.1 and 1500 mD.

A real time plot of unitized pressure drop along the sample versus unitized flow rate allows the operator to determine if the laminar flow regime required for the application of Darcy's Law is met. Criteria derived from Section 6.8 of the American Petroleum Institute's "Recommended Practice for Core Analysis" are used to determine the transition from laminar flow to turbulent flow within the core sample. A traveling meniscus option allows measurements to be accurately made down to 0.001 md further enhancing the range of the system.

The holder for 1 inch (2.54 cm) diameter core samples up to 4 inches (10.16 cm) long. A 1.5 inch model can also be mounted on the console. Most coreholders can be utilized with the Model RCAGP-6 Auto steady-state gas permeameter.

The Rigchina Group Company Quality Promise

The Steady State Permeameter is a powerful testing tool, allowing the user to analyze permeability precisely and accurately for numerous applications, including core flooding, permeability, core analysis, and more. Engineered with the latest in core technology, this reliable, long-lasting testing device features modern features and a design that have been successfully used by laboratories and large corporations worldwide.



OVERVIEW:

Variable mean flowing pressure enables easy measurement of Klinkenberg slip factor (b), and non-reactive liquid permeability (Klinkenberg Permeability)

Computer with Rigchina Systems proprietary data acquisition and control software

Permeability measurements on plug size sample from <0.1 mD to >10 D

Measures gas permeability by steady-state method

Can be utilized with most core holders

Permeability Measurement Range: 0.001md to 10,000md.

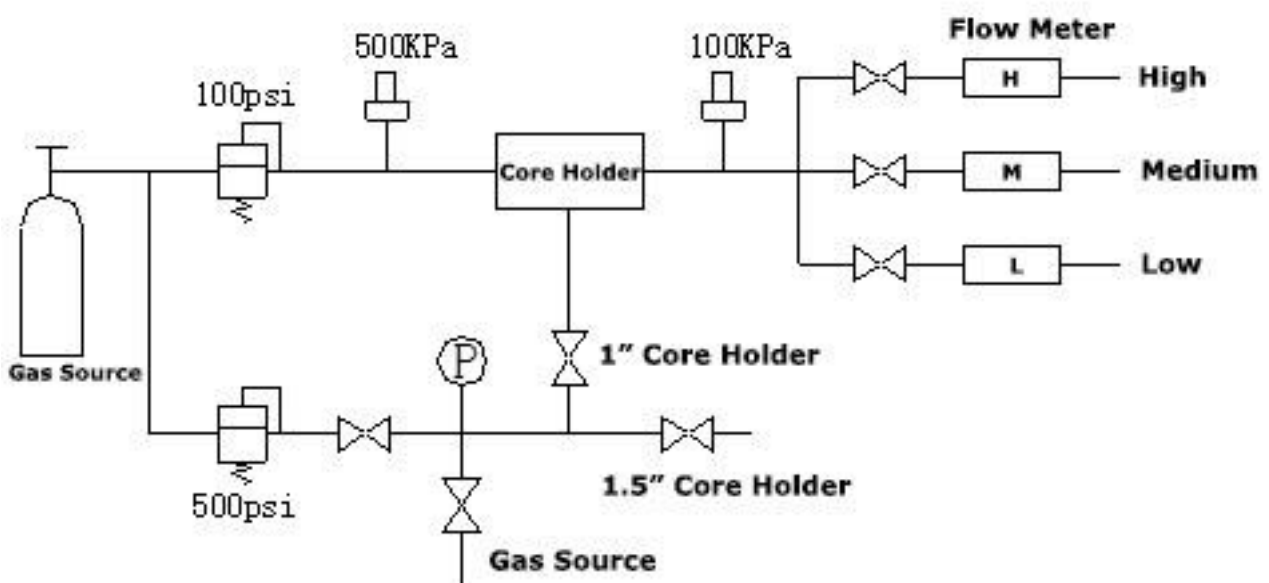
SPECIFICATIONS:

- Maximum flow pressure: 100 psig
- Maximum flow rate: 1000 cc/min
- Pressure transducer accuracy: 0.11% FS @ 4 to 50 psi and 0.15% FS @ 0 to 4 psi.
- Flow meter accuracy: Better than 1%

Scope of Supply:

The Model RCAGP-6 Auto gas permeameter operating software

Workflow Diagram



Warranty and Returns

Warranty

Rigchina Group Company warrants its products to be free from defects in material and workmanship for a period of 24 months from the time of shipment. If repair or adjustment is necessary, and has not been the result of abuse or misuse within the twelve-month period, please return, freight prepaid, and correction of the defect will be made without charge.

Out of warranty products will be repaired for a nominal charge. Please refer to the accompanying warranty statement enclosed with the product.

Our shipping address is:

RIGCHINA GROUP COMPANY



Location:

No.80-82, Qiude Road, West Cheng Industrial Estate, Yongkang city, Zhejiang Province, China, Postcode: 321300



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...Quality is Everything...