

Manual Steady-State Gas Permeameter



MANUAL SS GAS PERMEAMETER

Description:

This simple and low-cost permeameter is optimal for instructional and educational purposes. This permeameter includes a flow meter, gas regulator, pressure transducer, pressure gauges, and a hand-operated hydraulic pump to apply the confining pressure on the core plug up to 1,500psi. A hassler core holder is suitable for permeability measurement with minimum maintenance. The end user can adjust the injection pressure up to 100 psi using an accurate gas regulator and read the flow rate, pressure drop, and injection pressure from the displays. There is no data logger in this unit for reading and recording.

Specifications:

- ◆ Core holder diameter: 1.0 or 1.5 inches
- ◆ Core holder length: up to 4.0 inches
- ◆ Maximum pore pressure: up to 100 psi
- ◆ Confining pressure: up to 1,500 psi
- ◆ Gas type: Nitrogen
- ◆ Manual system with three digital pressure displays for DP, inlet pressure, confining pressure and one display for flow rate
- ◆ Accurate pressure measurement with 0.1% FS
- ◆ Permeability range: 0.1 mD to 5,000 mD
- ◆ Maximum measurable flow rate: 10,000 SCCM
- ◆ Flow rate measurement accuracy: 1% FS
- ◆ Core holder material Aluminium
- ◆ Power supply: 110-220 V/50-60 Hz, 300 W

Benefits:

- ◆ Great for instructional and educational purposes
- ◆ Manual system with easy operation
- ◆ Compact and robust, with minimal maintenance
- ◆ Flexible core length

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