

Gas Permeability Measurement

The present instrument is designed to measure the permeability due to different gases especially to nitrogen at room conditions a under reservoir overburden pressure. The instrument is designed for the injection of gas through the test sample at various conditions of pressure. The injection pressure at the core face is measured using a pressure transducer and the gas flow rate is measured using a precision mass flow meter.

Specifications:

- Permeability Range: 0.1 mD to 1000mD
- Flow Pressure: 0 to 32 psi
- Gas flow: 5-1000 cc/min
- Temperature: ambient
- Pressure transducer accuracy: 0.1% F.S.
- Flow accuracy: 0.5 % F.S.
- Nitrogen supply: 100 psi
- Power: 110-220 VAC, 50 or 60 Hz

