

Gas Permeameter

GP-R10



Description:

The gas permeability measurement apparatus is designed to measure permeability to gas (such as air, nitrogen, etc.) of plug-sized core samples at room conditions and reservoir overburden pressure up to 20 bar using the steady-state method. The instrument is designed to investigate the slip factor and Klippenberg permeability versus reciprocal mean pressure relationship at different flow rates, back pressures, and injection pressures by injecting gas through the test sample.

Technical Specification:

- Core Holder (easy load)
- Core diameter: 1.5"
- Maximum core length: 3"
- Maximum injection pressure: 10 bar
- Maximum confining pressure: 16 bar
- Pressure transmitter
- Pressure transmitter accuracy: 0.5% full scale
- Permeability range: 0.5-100 mD
- Pressure gauges ×2
- Dead sample for confining pressure



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