

Liquid Permeameter

LP-R20



Description:

Permeability is a crucial property of rocks, indicating their capacity to allow the flow of fluids, whether gas or liquid. Typically, permeability is measured using gas (often nitrogen) or liquid (usually water). Gas injection for permeability measurement is rapid, enhancing its applicability. However, relying solely on gas injection may require corrections, necessitating additional tests using liquid injection for validation. To address this, a liquid permeameter has been designed, capable of measuring permeability in the range of 0.1 mD to 5000 mD. The apparatus is also equipped to handle confining pressures up to 400 bar, allowing consideration of the impact of upper layers on permeability.

Technical Specification:

- Hassler core holder
- Core diameter: 1.5"
- Maximum core length: 3.5"
- Maximum confining pressure: 400 bar
- Pressure transmitter×2
- Pressure transmitter accuracy: 0.1% full scale
- Permeability range: 0.1-5000 mD
- Pressure indicator×2
- Pressure gauge
- Hydraulic pump
- Injection pump not included
- Specialized software



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