

Electrical Properties Apparatus

EP-R10



Description:

The Electrical Properties System is an instrument for ambient electrical resistivity measurements using core plug samples. The manually operated instrument includes an ambient electrical properties cell for 1.5" cores up to 4" in length, a resistivity meter, and a brine resistance measurement dip cell. In addition, properties such as Formation Factor, Resistivity Index, Saturation Exponent "n", and Cementation Factor "m" can be determined.

Technical Specification:

- Core diameter: 1.5"
- Maximum core length: 4"
- Maximum confining pressure: 5 bar
- Working temperature: Ambient
- Resistivity measurement method: 2 electrodes
- Resistivity accuracy: 0.1% full scale
- Test frequency range: 50 Hz to 100 kHz
- Automatic data acquisition and monitoring system



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