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Core Lab

# Back Pack Permeameter BPP-200 Datasheet

Routine Core Analysis Laboratory (RCAL)/  
Permeability



## Back Pack Permeameter BPP-200



The Back Portable Probe Permeameter provides a precise method for rapidly determining gas permeability in field locations and at surface outcrops.

Data is determined by the unsteady state method, pressure decay is measured as a function of time allowing for the computation of  $K_{gas}$ . The system is provided in a rugged case housing for the probe permeameter, mounted on a backpack, with the micro PDA and mounted on the probe being designed to be carried to the field and operated from the backpack. The instrument includes a gas reservoir that allows measurements to be made independent from a gas source. A 24-volt power pack supplies electricity for the instrument. Field measurements are made in the field by pressing the probe tip against the rock surface. Initial flow pressure of 35 psi, declines as gas flows into the rock surface, the decay versus time is recorded and the permeability calculated from the pressure decay curve.

Data can be measured from outcrops, whole cores and slabbed cores as well as other types of samples. Data are available in tabular and digital form.



### References:

API Recommended Practice 40 for Core Analysis; Section 6 Permeability Determination

### Specifications:

- Transducer: 0-50 psig
- Pressure Decline Range: 35 psig to 0 psig
- Measurement range, permeability to gas. 0.1 md – 15 Darcies

### Scope of Supply:

- Back Portable Probe Permeameter in A-Frame mounted case weight: 15 pounds (approximately)
- PDA and Probe, 4 pounds (approximately)
- Windows Vista based operating software
- Solar Panel Battery Recharging System
- Air Pump for Field Recharging of Gas Supply