



Design and Manufacture of
Oil and Gas Equipment

Helium Porosimeter

This apparatus is designed for direct measuring of grain volume and pore volume, and is operational in oil and gas industries and universities. The calculation of this system is based on Boyle's law expansion of gas in an isothermal process. Porosity and grain density as a result of the direct measurement can be obtained. This setup is capable of testing for plug samples. Furthermore, the software is available for calibration, data logging and calculation of parameters.





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FEATURES:

- **Core diameter:** 1" and 1.5"
- **Core length:** up to 3.1"
- **Porosity Range:** up to 50%
- **Pressure sensor accuracy:** 0.1%
- **Electrical requirements:** 220 VAC, 50/60 Hz
- **Helium requirements:** 10 bar (145 psi)
- Fast measurement
- No contamination of rock/ No corrosion of equipment

Note: The aforementioned features can be changed upon the request.

Components:

- Matrix cup
- Billet for calibration
- Transducer
- Reservoirs
- Solenoid valves
- Data acquisition

