



CORE ANALYSIS EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our extensive line of Core Analysis products includes equipment for preparing core samples, routine testing, and advanced analysis.

As an independent manufacturer and supplier, OFITE has one priority, our customers.

Automated Gas Permeameter

The Automated Gas Permeameter is designed to measure the permeability of core specimens 1.5" in diameter and up to 4" in length. The core specimen is placed into a quick access core holder with a stationary core boot. Confining pressure constrains the core inside the boot while gas flows through it. Dual auto-switching mass flowmeters measure the flowrate of the gas through the core. The software controls the confining pressure and inlet pressure on the core while calculating the permeability.



Features

- Measures permeability of a core sample
- Quick access core holder with stationary boot makes loading and unloading the core sample quick and easy
- Dual auto-switching mass flowmeters provide greater accuracy over the measurement range
- Software controls confining pressure and gas inlet pressure while calculating and recording permeability over time





Technical Specifications and Requirements

- #127-80

Specifications

- Confining Pressure: 10,000 psi (69 MPa)
- Gas Inlet Pressure: up to 115 psi (793 kPa)
- Flowrate Range: 0 - 500 sccm (dual scale)
- Temperature: Ambient
- Core Diameter: 1.5" (4 cm) - other sizes available
- Core Length: up to 4"
- Permeability Range: 0.05 - 5000 mD
- Size: 27" × 21" × 21" (69 × 53 × 53 cm)
- Weight: approximately 180 lb (81.6 kg)

Requirements

- Gas: Helium or Nitrogen - up to 115 psi (793 kPa)
- Air: up to 140 psi (965 kPa)
- Electrical: 115/230 VAC, 50/60 Hz

Software Features

- Controls confining pressure and gas inlet pressure
- Records confining pressure, mean pressure, inlet pressure, and outlet pressure
- Customer test builder provides detailed control over test parameters

