

Manual Reservoir Permeability Tester



Brand: OFI Testing Equipment, Inc.

Product Code: 127-00

Availability: Call for availability

Description

The permeability of a petroleum reservoir is one of the most influential parameters in determining the production capabilities of a producing formation. Permeability is a measure of the ability of a fluid to flow through a porous media when subjected to a differential pressure and is mathematically equated by Darcy's law. The Reservoir Permeability Tester was developed to evaluate how fluids affect the permeability of a core specimen. In addition, the unit may be used to evaluate acidizing techniques and to develop typical Acid Response Curves (ARCs). *Not for use with heavy crudes. Fluids must be in a liquid state at ambient temperature.

Features

- Manual valves enable forward and reverse injection through core holder for 3 separate fluids and nitrogen gas
- Hassler-type core holder rotates for either horizontal or vertical testing orientation
- Wetted materials are 316 Stainless Steel (HC-276 is available on request)
- Two-piece cabinet construction, with storage area below and locking swivel castors for mobility
- Comes with PC and data acquisition software

Specifications

- Core holder can test cores 1" or 1 1/2" diameter x 6" maximum length
 - Accumulators: three separate piston accumulators, 1.5 liters each
 - Drive Pressure: 3,000 PSI maximum
 - Confining Pressure: 5,000 PSI maximum
 - Back Pressure: 1,000 PSI maximum
 - Core Holder Temperature: 400°F (204.4°C) maximum
 - Fluid Injection Flow Rate: 0 to 10 ml/min
 - Size: 44" wide x 20" deep x 60" tall (112 x 51 x 152 cm)
 - Weight: 760 lb (344.7 kg)
- ## Requirements
- Air: 100 PSI
 - Nitrogen: 2,000 PSI
 - Water: tap pressure (30 to 40 PSI is typical)
 - Electrical: 230 VAC, 30 amps
- ## Part Number
- #127-00

Product Gallery