

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

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Product Gallery