



## DRILLING FLUIDS 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 drilling fluids product line includes innovative designs such as the Model 900 Viscometer, which showcases our ability to develop new technology to meet customer and industry demands. We also offer Retorts, Aging Cells, Roller Ovens, Mud Balances, Filter Presses, and all other instruments required to evaluate drilling fluid properties according to API Recommended Practice 13B-1 and 13B-2.

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



## Model 900 Automated Viscometer

The OFITE Model 900 Viscometer is a true Couette coaxial cylinder rotational viscometer, which employs a transducer to measure the induced angle of rotation of the bob by a fluid sample. For a fully automated Control/Data Acquisition System suitable for research applications, the Model 900 Viscometer may be connected to a computer via a serial (RS-232) port using OFITE's exclusive and field-proven Windows™- based ORCADAs® software.

Patent Number 6,766,028



## Features

- Model 900 Viscometer is a true Couette coaxial cylinder rotational viscometer
- Run multiple units on one computer
- Push button calibration history and graphs available for improved analysis (with ORCADAs® software)
- Stepper motor technology insures accuracy of shear rates
- Single button operations on the keypad
- Routine repairs are easily performed
- Has the ability to operate accurately at extremely low shear rates (0.006 RPM)
- Not necessary to stop the motor between speed changes
- Optional KlikLock™ Bob (Patent Number 8,763,776) uses a magnetic coupling to make removal quick and easy.



## Technical Specifications and Requirements

- #130-76-C Model 900 Viscometer, 115 Volt
- #130-76-1-C Model 900 Viscometer, 230 Volt

### Specifications

- Instrument Geometry: True Couette Coaxial Cylinder
- Motor Speeds (RPM): 12 Fixed Speeds (600, 300, 200, 100, 60, 30, 20, 10, 6, 3, 2, and 1); Variable speed range .006 - 1000
- Speed Accuracy (RPM): .001
- Shear Rate Range ( $\text{sec}^{-1}$ ): .01 - 1,700
- Heat Cup: Stainless Steel, 150 Watts, Maximum Recommended Temp: 190°F (88°C)
- Power Requirements: 97 - 250 Volts AC, 200 Watts, 50/60 Hz
- Dimensions: 17.3"  $\times$  15"  $\times$  9.4" (44  $\times$  38  $\times$  24 cm)
- Weight: 18.9 lb (8.6 kg)
- Shipping Dimensions: 22"  $\times$  15"  $\times$  9.4" (56  $\times$  38  $\times$  24 cm)
- Shipping Weight: 35.3 lb (16 kg)
- Computer Requirements: DB-9 Serial Port, Windows 2000 or newer.  
Recommended screen resolution 1024  $\times$  768 pixels

## OFITE Data Acquisition Features

- Write programs based on time, temperature and shear rates
- Multiple calibration points: low and high shear rates
- Computer automatically stores data
- Multiple rheological programs available

