



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 3040 HTHP Viscometer

For extremely high temperature and / or high pressure viscosity measurements, OFITE offers the Model 3040 HTHP Viscometer. This fully-automated system accurately determines the rheological properties of drilling fluids, completion fluids, and cement in terms of shear stress, shear rate, time, and temperature at pressures up to 30,000 psi (206.9 MPa) and temperatures up to 500°F (260°C).

Using the exclusive ORCADA® software, a computer novice can operate the viscometer, and yet the system is versatile enough for advanced research and demanding test parameters.



Features

- **Low Shear Rates:** As low as $.01 \text{ sec}^{-1}$
- **Real Oilfield Geometry** - uses traditional oil field Bob and Rotor for measurements that are easy-to-use.
- **Touchscreen Display** - intuitive interface shows current temperature, pressure, rpm, viscosity, and shear stress
- **Computer-Controlled** - uses OFITE's exclusive ORCADA® software.
- **Versatile** - Operates on 115 or 230 volt
- **Ergonomic Design**



Technical Specifications and Requirements

- #130-80 Model 3040 HTHP Viscometer

Specifications

- Maximum Pressure: 30,000 psi (206.8 MPa)
- Maximum Temperature: 500°F (260°C)
- Motor Speed: .01 - 1000 RPM
- Shear Rate Range: .01 - 1022 sec^{-1}
- Viscosity Range: 0 - 300 cP @ 300 RPM

Requirements

- Electrical: 115 or 230 Volt, 50/60 Hz
- Air Supply: 100 - 150 psi
- Water Source: standard tap water
- Water Drain

Software 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

