Model 3025 Pressurized Viscometer

Brand: OFI Testing Equipment, Inc.
Product Code: 130-83
Availability: Call for availability
Call for Price: 832-320-7300

Description
For enhanced data collection, OFITE offers the Model 3025 Pressurized Viscometer. This fully-automated system accurately determines the fluid characteristics of stimulation fluids, completion fluids, drilling fluids, and cement in terms of shear stress, shear rate, time, and temperature at pressure up to 2,500 psi.

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 0.01 $s^{?1}$
- **Corrosion Resistant** ? Hastelloy?wetted parts provide extra corrosion control
- **Small Footprint** ? Only 12" × 12" (30 × 30 cm). The all?in?one design includes the heating mechanism
- **Versatile** ? Available in 115 or 230 volt models
- **Real Oilfield Geometry** ? Uses traditional Bobs and Rotor for measurements that are easy to translate (shear stress range 0 ? 4,000 dynes/cm^2)
- **Computer Control and Data Acquisition** ? Uses OFITE's exclusive ORCADA® software connected via serial port or Ethernet
- **Safe** - The oil-free bath provides more precise control over the sample

temperature without the risks of hot oil, such as spilling, splashing or flashing. U.S. Patent Number 8,739,609.

Specifications

- Maximum Pressure: 2,500 psi (17.2 MPa)
- Maximum Temperature: 500°F (260°C)
- Motor Speeds: Variable from .01 - 1,000 rpm
- Shear Rate Range: .01 - 1,002 sec^{-1}
- Size: 12" × 17.7" × 27.25" (31 × 45 × 69 cm)
- Weight: ~90 lb (40 kg)

Requirements

- Power: 115 or 230 Volt AC, 50/60 Hz
- Nitrogen: Up to 2,500 PSI (17.2 MPa)

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

Part Numbers

- #130-83: 115 Volt
- #130-83-1: 230 Volt