

HTHP Viscometer



Brand: OFI Testing Equipment, Inc.

Product Code: 130-77

Availability: Call for availability

Description

For extremely high temperature and / or high pressure viscosity measurements, OFITE offers the HTHP (or HPHT) Viscometer. This fully-automated system accurately determines the rheological properties of completion fluids and drilling fluids in terms of shear stress, shear rate, time, and temperature at pressures up to 30,000 PSI and temperatures up to 500°F. An optional Chiller is available for cooling the fluid sample below ambient temperature, further increasing the flexibility of the system.

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.
- **Computer-Controlled** - uses OFITE's exclusive ORCADA[®] software.
- **Versatile** - Available in 115 or 230 volt

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

Specifications

- Maximum Pressure: 30,000 PSI (206.9 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
- Crated Size: 39" × 35" × 47" (99 × 89 × 119 cm)
- Crated Weight: 365 lb (165.6 kg)

Requirements

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

Part Numbers

- #130-77: 115 Volt
- #130-77-230: 230 Volt

Specification

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|---------------------|------------|
| Maximum Pressure | 30,000 PSI |
| Maximum Temperature | 500°F |