Model 900 Viscometer

Brand: OFI Testing Equipment, Inc.
Product Code: 130-76-C
Availability: 7

Description
The Model 900 Viscometer is a true Couette coaxial cylinder rotational oilfield 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 ORCADA® software.

U.S. Patent No. 6,776,028

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 ORCADA® software)
- Single button operations on the keypad
- Routine repairs are easily performed
- Has the ability to operate accurately at extremely low shear rates (0.01 RPM)
- Not necessary to stop the motor between speed changes

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 (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 (cm): 44 × 38 × 24
- Weight (kg): 8.6
- Shipping Weight (kg): 16
- Shipping Dimensions (cm): 56 × 38 × 24
- Computer Requirements: DB-9 Serial Port, Windows 2000 or newer. Recommended screen resolution 1024 × 768 pixels

Software

- 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

Components

- #130-76-03: Thermocouple
- #130-76-04: Main Bearing
- #130-76-08: Wrench for Bob Shaft
- #130-76-10: Universal Heat Cup, 115 Volt
- #130-76-10-1: Universal Heat Cup, 230 Volt
- #130-76-24: Bob Shaft Assembly
- #130-79-19: Serial (RS-232) to USB Converter
- #132-56: Rotor Sleeve, R1
- #132-57: Bearing Shield
- #132-58: Bob, B1
- #132-80: Calibration Fluid, 100 cP, 16 oz
- #134-05-2: Bob Shaft Bearing, Shielded
- #134-10: Torsion Spring Assembly, F1.0
- #135-02: Retainer Ring, External

Optional

- #130-76-C-SP: Spare Parts Kit
- #130-76-LSK: Low Shear Conversion Kit
- #132-56-S: Rotor Sleeve, R1, Slotted, 316 Stainless Steel
- #132-58-5: Bob, B1, Slotted, 303 Stainless Steel
- #134-10-2: Torsion Spring Assembly, F0.2
- #147-14: pH Meter
- #132-81: Calibration Fluid, 50 cP, 16 oz
- #132-56-C: Rotor Sleeve, R1, Closed Cup, 316 Stainless Steel

Part Numbers

- #130-76-C: 115 Volt
- #130-76-1-C: 230 Volt

Specification

Specifications	
Maximum Pressure	Ambient
Maximum Temperature	200°F