

Item: **130-76-C**

Description: **Model 900 Automated Viscometer, Complete, 115 Volt**

A high tech testing instrument doesn't have to be difficult to use or high maintenance. Take a look at the Model 900, OFITE's newest addition to their viscometer line, and one word comes to mind - simple: simple to operate, simple to calibrate, simple to maintain.

As a stand-alone field unit, the press of a single button prompts the viscometer to perform standard API test sweeps for your choice of mud or cement rheologies. Standard speeds (i.e. 600, 300, etc.) are also provided as single button operations on the keypad. Need a specific shear rate? Just enter the parameters on the numbered keypad and press 'Enter.'

Have a need for advanced research and demanding test parameters? Just hook up a computer to the Model 900 and turn it into a fully automated system that includes complete data acquisition using OFITE's exclusive ORCADA™ software.

OFITE's Model 900 Viscometer is extremely versatile. Its simplicity makes it ideally suited for the field, yet with the addition of a computer can perform as well as any lab machine available today. Mud engineers will appreciate the push button calibration, not to mention getting standard API tests with one command.

You no longer have to be without a critical piece of equipment every time you need a viscometer calibrated or a bearing changed. Your engineers can handle it in the lab or in the field.

*NEWLY PATENTED - OFI Testing Equipment, Inc.*

**Model 900 Specifications for Standard R1 Rotor, B1 Bob, and F1 Torsion Spring:**

Instrument Geometry	True Couette Coaxial Cylinder
Motor Technology	Stepper
Motor Speeds (rpm)	Variable speed range .006-1000; 12 Fixed Speeds (600, 300, 200, 100, 60, 30, 20, 10, 6, 3, 2, and 1)
Speed Accuracy (rpm)	.001
Shear Rate Range (sec <sup>-1</sup> )	.01-1700
Shear Stress Range (dynes/cm <sup>2</sup> )	0-1700 (with R1B1 & F1)
Readout	Digital
Heat Cup	Stainless Steel, 150 Watt, Max Recommended Temp 190°F, (88°C)
Temperature Measurement	Type "J" Thermocouple
Automatic Tests	API Cementing and Mud Rheologies
Power Requirements	97-250 Volts AC, 50/60 Hz
Bobs	B1 Standard (Optional/Additional - B2, B3, B4, B5)
Torsion Springs	F 1 Standard (Optional - F 0.2, F 0.5, F 2)
Weight (kg)	8.6
Dimensions (cm)	44 X 23 X 14
Shipping Weight (kg)	16
Shipping Dimensions (cm)	56 X 38 X 24
Computer Requirements	DB-9 Serial Port, Windows 98 or later. Recommended screen resolution 1280 x 1064 pixels.



**Components:**

- #130-76-10 Heat Cup Universal, 115 Volt
- #130-76-48 Power Supply for Model 900
- #132-50 Rotor
- #132-57 Shield
- #132-58 Bob
- #134-10 Torsion Spring Assembly
- #170-44 Rubber Foot, 1/2"

**Optional:**

- #130-76-C-SP One Year's Spare Parts for 130-76-C
- #132-56-C Rotor, R1 Closed Cup, 316 SS

**How the Model 900 performed against a Well-Known Competitor**

Recently, a customer did a series of measurements on a sample of xanthan gum using the OFITE Model 900 Viscometer and another competitive model from a well-known manufacturer. The results are amazing! The OFITE Model 900 measurements are right on target with the competitive model AND **the Model 900 was able to capture lower shear readings** (.01 s<sup>-1</sup>) than the "low-shear" competition. At **1/10th the cost of the competitive model**, the Model 900 is a great investment!

