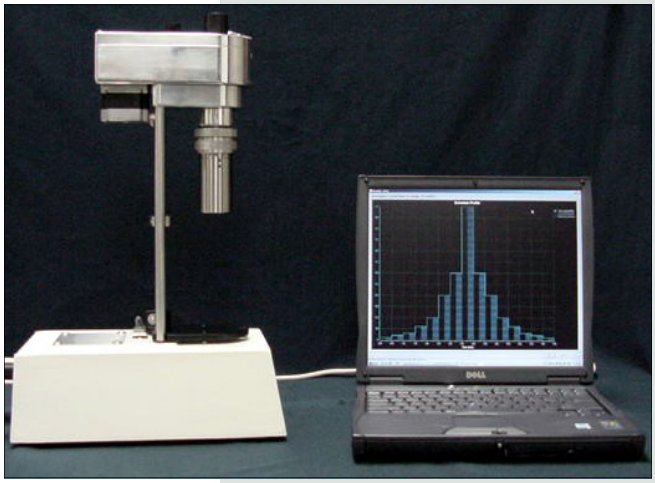
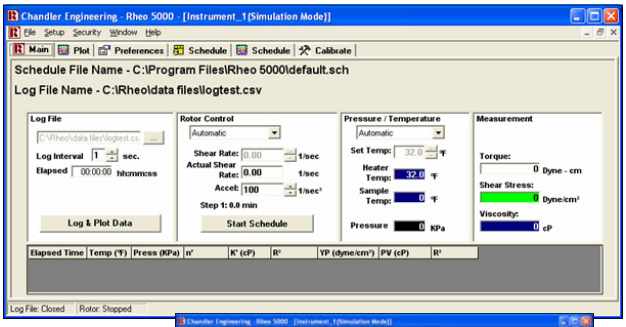
Model 3530

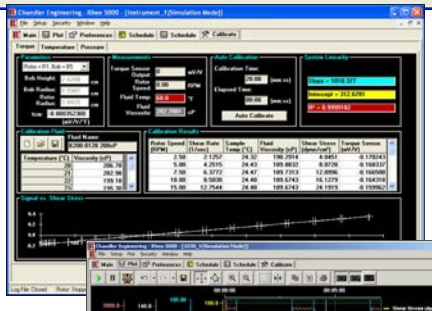
COMPUTER CONTROLLED VISCOMETER

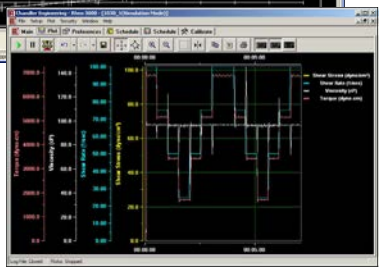


A Critical Tool for Completion, Cementing and Drilling Fluids

The Model 3530 is a fully automated concentric cylinder viscometer designed to meet API and ISO requirements for viscosity measurements of many of the fluids used in well servicing. This viscometer is fully operational in manual mode without the use of a computer or as a computer controlled viscometer with preconfigured periodic shear rate ramping. The Rheo 3000 Data Acquisition Software is provided with the instrument and provides a powerful tool ensuring consistent testing parameters and results.







Operational Simplicity

The Model 3530 is an automated version of the Model 3500LS+ viscometer combined with our powerful Rheo 3000 Data Acquisition Software running on your computer.

This combination provides complete, programmable control of the viscometer's speed throughout a test cycle including step changes, linear ramps and constant speeds as low as 0.01 rpm. Rheo 3000 also provides automatic data acquisition graphical display and analysis of the test results.

FEATURES

- ✓ Easy to Set-Up, Operate, Clean and Maintain
- ✓ Rheo 3000 Data Acquisition Software
- ✓ Automatic Calculation of Bingham Plastic and Power Law Parameters
- ✓ Remote Control of Motor System (Step Changes, Linear Ramps, Constant Speed)
- ✓ Automatic Calibration Capability
- ✓ Meets API and DIN Standards for Oilfield Cements and Completion fluids
- ✓ Multiple Rotor / Bob Combinations and Spring Factors Available
- ✓ Optional Thermal Cup

AMETEK® OIL & GAS

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All test data is stored in a spreadsheet compatible file format for ease of data handling.

Specifications

Operating Speeds	16 Manual Speeds from 0.1 to 600 rpm 0.01 to 600 rpm when computer controlled
Shear Rate (sec-1)**	0.17 to 1021 with supplied rotor, bob and spring
Shear Rate Accuracy	±0.01 rpm ±0.017 sec^{-1}
Torque Accuracy	±0.5 dial reading from 1 to 260 degrees
Sample Temperature	194°F / 90°C Maximum
Sample Volume	350mL
Operating Conditions	75°F - 194°F / 24°C - 90°C
Compliance	System complies with API Spec. 10A requirements

Utilities

Power Requirements	120 or 240 Volts, 50/60 Hz, 700 W

Physical Dimensions

Dimensions (wxdxh)	7 x 12 x 18.2 in. / 18 x 31 x 46 cm
Weight	47 lb / 21 kg

Shipping Information

Dimensions (wxdxh)	13 x 25 x 20 in. / 33 x 64 x 51 cm
Weight	50 lb / 23 kg

Manufacturer's specifications subject to change without notice
***Additional rotors, bobs, and springs available for higher and lower shear rate ranges*

AMETEK®

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