

VISCOSITY

AUTOMATED VISCOMETER MODEL 3530

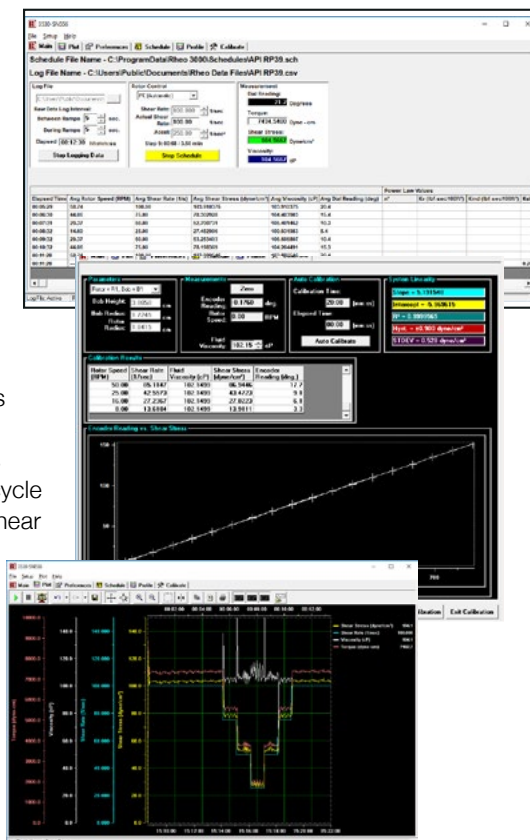
A Critical Tool for Completion, Cementing and Drilling Fluids

The Model 3530 is a fully automated concentric cylinder viscometer designed to meet API and ISO requirements for viscosity measurement 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 ensuring consistent testing parameters and results.

Operational Simplicity

The Model 3530 is an automated viscometer combined with the powerful Rheo 3000 Data Acquisition Software running on your computer (The software is an optional/additional feature).

This combination provides complete, programmable control of the viscometers 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 test results.



FEATURES

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



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SPECIFICATIONS

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

Operating Conditions

41°F - 104°F / 5°C - 40°C

Voltage Rating

100 - 240 VAC

Current Rating

2 Amps

Frequency Rating

50/60 Hz

Voltage Fluctuations

120 VAC ± 5%; 220 VAC ± 5%

Environmental (Indoor use only)

120 VAC ± 5%; 220 VAC ± 5%

Pollution Degree: 2

Installation: Category II

Altitude: 2000m

Humidity: 10 – 80% non-condensing

Shear Rate Accuracy

±0.01 rpm

Torque Accuracy

±0.5 dial reading from 1 to 260 degrees

Operating Speeds

0.01 to 1000 rpm when PC controlled

Compliance

API Spec. 10A,   

Power Requirements

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

Physical Dimensions (w x d x h)

7 x 12 x 18.2 in. / 18 x 31 x 46 cm

Instrument Weight

17 lb / 7 kg

Shipping Weight

50 lb / 23 kg

Sample Container Volume

350mL

Manufacturer's specifications subject to change without notice



View more product information on our website:
WWW.CHANDLERENG.COM/PRODUCTS

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