

Rolling Ball Viscometer

Measurement of Reservoir Fluid Viscosity by Rolling Ball Method

The Rolling Ball Viscometer is specially designed to determine the viscosity of reservoir liquids under reservoir conditions.

Experiment Description

The principle of operation is to measure the time that it takes for a ball to fall through the sample fluid. This effective approach is the most reliable technique to estimate oil viscosity at high pressure and high temperature conditions to simulate reservoir conditions.



Specification	RBV-BR01
Maximum Sample Pressure: 6000 Psi	✓
Pressure Accuracy: 0.1 % F.S.	✓
Viscosity Range: 0.2 – 10000 cP	✓
Heating Jacket:	
- Ceramic Elements: 220 VAC, 1000 W	✓
- Thermal Insulator	
Temperature Control System: Accuracy: 0.5 °C	✓
Temperature: Ambient to 80 °C	✓
Launcher: Electrical Magnet	✓
Receiver: Electrical Switch	✓
Timer: Digital with Accuracy of 0.001 Sec. and Automatic Rolling Time Measurement	✓
Wetted Material: Stainless Steel	✓
Connections: NPT 1/8"	✓
Easy to Use Design	✓
Cost Effective and Accurate Viscosity Measurement	✓
Wide Range of Viscosity	✓
Wide Range of Temperature and Pressure	✓
Various Fluids	✓
Automatic Data Acquisition and Monitoring System + Computer System	✓
Power Supply: 220 VAC, 50-60 Hz	✓

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