

# PVS Rheometer

Allows Quick and Easy Viscosity Measurements Under Pressure Where Sample Boil-Off is a Problem

- 1'x1'x2' footprint for site to site mobility
- Includes RheoVision Software for sophisticated rheological analysis
- Hastelloy C cup and bobs for operation in severe field environments

Robust Drive Capable of Speeds Up to 1000 RPM

High Pressure (1000 psi) Safety Release Valve

Outside Cylinder Rotates While Inside "Bob" Remains Stationary. Shear Rates to 1700 sec<sup>-1</sup>

RTD on the Inner Cylinder Ensures Accurate Sample Temperature Measurement to Maximum Temperatures of 260°C

Sample Cup



Bob/Stator Sample Cup	Viscosity Range cP (mPa•s)	Shear Rate (sec-1)	Sample Volume (mL)*
B1	2-5 M	1.7 N	12
B2	20-36 M	0.38 N	55
B5	5-10 M	0.85 N	25
TA5	.5-1 M	0.85 N	160

\*±1mL HC = Hastelloy C M = 1 million N = RPM mL = Milliliter

Viscosity Range* cP(mPa•s)		Speed		
Model	Min	Max	RPM	Number of Increments
PVS	.5	36 M	.05-1 K	10 K

\* Ranges depend on "Bob" spindle selected.

M = 1 million K = 1 thousand cP = Centipoise mPa•s = Millipascal/seconds

# RheoVision Software Included

For Automation and Control of All Test Parameters

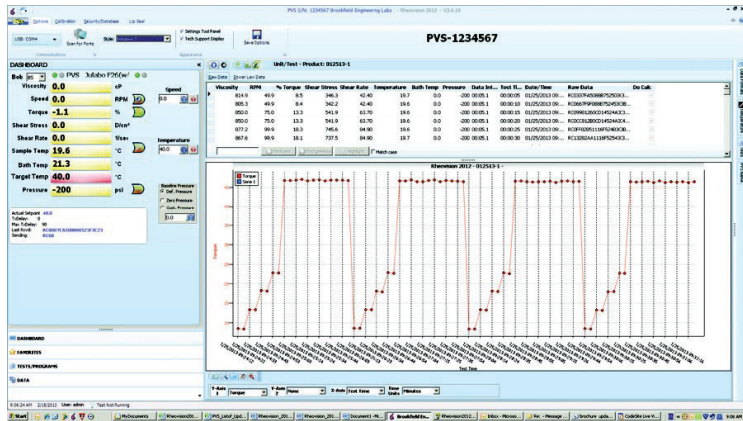
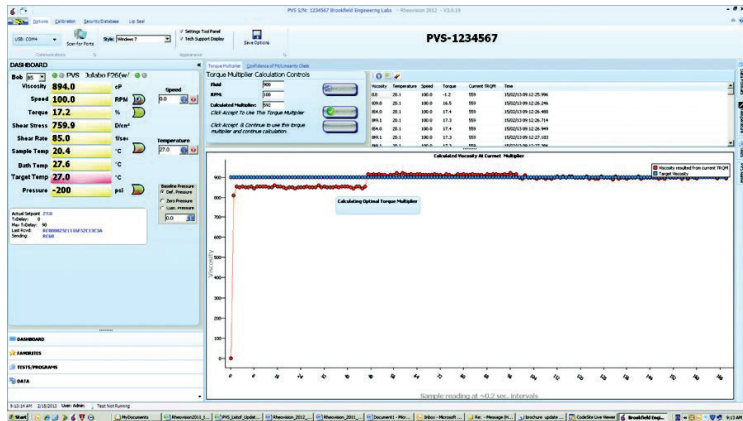
Specifically designed for sophisticated rheological analysis, RheoVision makes viscosity measurement under pressurized and temperature controlled conditions an easy task. Powerful scripting language provides simple to complex data collection programs including automatic calculation of yield stress using Bingham, Herschel-Bulkley, and Power Law equations.

# Optional Configurations

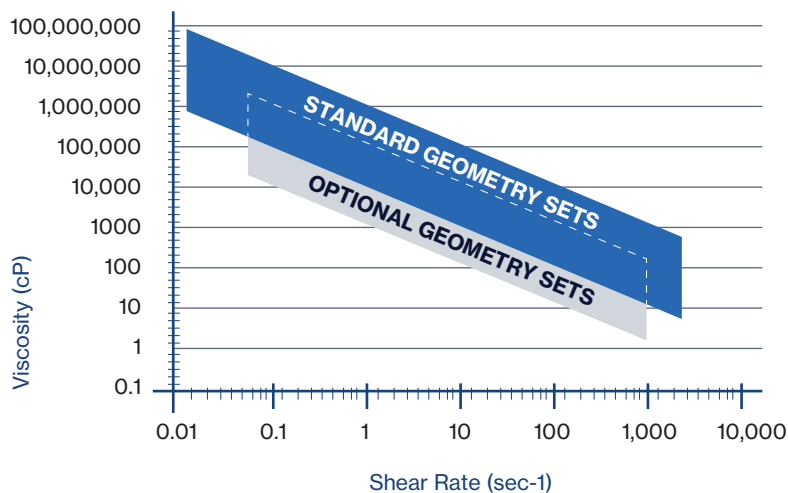
Optional configurations include additional spindles and bobs, computer, temperature control bath, thermo bath, triple annulus geometry for increased sensitivity when measuring low viscosity fluids

## Thermo Bath Option with PID Enhanced Control Capability

For sample heating with small space requirement.



## PVS Operating Range



## Carrying Case

For in-the-field portability



Repeatable



Reliable



Accurate