

Uniquely Precise Systems

Cambridge viscometers are highly accurate, reliable and self-cleaning.

Our patented sensor technology uses only one moving part, a piston that is Electromagnetically driven through fluid in a small measurement chamber.

It is a proven, well-documented approach that powers a full array of very easy to maintain viscometers that meet or exceed specific industry and application requirements contained in ASTM, DIN, JIS and ISO standards.

Here are just a few examples:

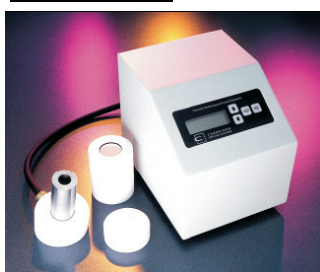
- Automotive Paint - To improve film-build consistency
- Coatings/Inks - To maintain targeted coating solids
- Marine - To increase burn efficiency, reduce maintenance
- Engines - To track engine lubricant life and warranty specifications
- Compressors - To measure bearing surface lubricity
- Refinery/Petrochemical - For accurate in-line control
- Chemical Processing - To improve mixing and blending
- Printing - To improve color and coating quality
- Pharmaceuticals - To automate viscosity measurement in compounds and bio-fluids
- Laboratory/Food - To improve quality in an easy to clean instrument

ViscoLab 450



Range 0.2-2cP, 0.25-5cP, 0.5-10cP, 1-20cP,
Select any single 2.5-50cP, 5-100cP, 10-200cP,
Piston range 25-500cP, 50-1,000cP, 100-2,000cP,
250-5,000cP, 500-10,000cP
Accuracy $\pm 1.0\%$ of full scale
Repeatability $\pm 0.8\%$ of reading
Temperature sensor internal platinum, RTD
Wetted material 316L and 430L stainless steel
Maximum particle size 200 microns
Standard cable length 2 feet
Power 100-240 VAC/50-60 Hz
Shipping weight 8 lbs.

ViscoLab 3000



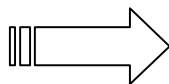
Viscosity 0.2 to 20,000 centipoise (cP)
Piston Ranges 0.2-2cP, 0.25-5cP, 0.5-10cP,
1-20cP, 2.5-50cP, 5-100cP,
10-200cP, 25-500cP, 50-1,000cP,
100-2,000cP, 250-5,000cP,
500-10,000cP, 1,000-20,000cP
Viscosity Accuracy $1 \pm 1.0\%$ of full scale
Repeatability $\pm 0.8\%$ of Reading
Temperature Sensor 4 wire internal Platinum RTD
Wetted Materials 316L and 430 Stainless Steel
Maximum Particle Size 25-360 Microns (Range
Dependent)
Temperature Control* Slightly above ambient to
356°F (180°C)
Standard Cable Length 3 Feet (0.9 meters)
Power 100-240 VAC, 50-60Hz

ViscoLab 4000



Viscosity 0.2 to 10,000 centipoise (cP)
Piston Ranges 0.2-2cP, 0.25-5cP, 0.5-
10cP, 1-20cP,
2.5-50cP, 5-100cP, 10-200cP, 25-
500cP,
50-1,000cP, 100-2,000cP, 250-5,000cP,
500-10,000cP
Viscosity Accuracy $\pm 1.0\%$ of full scale
Repeatability $\pm 0.8\%$ of Reading
Temperature Sensor 4 wire internal
Platinum RTD
Wetted Materials 316L and 430
Stainless Steel
Maximum Particle Size 25-800 Microns
(Range Dependent)
Standard Cable Length 2 Feet
Power 100-240 VAC/50-60Hz or 9-36
Volt DC

ViscoLab 5000 (μ Sample Viscometer)



Sample Size	<75 micro-liters
Throughput Time	< 20 minutes per test
Viscosity Accuracy	+/- 3.5% of reading throughout range
Viscosity Repeatability	+/- 1% of reading
Viscosity Range	0.5-50cP
Temperature Range	5°C-95°C
Temperature Control Accuracy	+/- 0.05°C
Benchtop Dimensions	21 in. (depth) x 20 in. (combined length)
Wetted Materials	316L SS, Teflon

ViscoBot (Robotic Viscometer)

Specifications:

Viscosity 0.5 to 200 centipoise (cP) @ Temperature
 Throughput up to 30 samples per hour
 Accuracy $\pm 1.0\%$ Full Scale
 Temperature Sensor 4 wire RTD
 Sample Size < 6 ml Per Test
 Solvent Use < 15 ml Per Test
 Wetted Parts 316L/430SS, Teflon, PEEK
 Temperature User selectable, ambient up to 100 °C
 Reference ability NIST traceable calibration fluids
 Power Consumption 90-240 VAC, Universal power supply



ViscoLab PVT



For oil, gas, and supercritical fluids, VISCOLab PVT delivers the highest levels of accuracy, speed, and reliability.

The VISCOLab PVT's extraordinary capabilities make it an ideal choice for the most critical and challenging applications :

- Accuracy $\pm 1\%$
- Test time 4 hours
- Stabilization 45 minutes
- Sample size 5 ml
- Max pressure 1379 bar/20,000 psi (pressures up to 40,000 psi also available)

Trouble-free operation

Sample handling occurs direct from the pressure canister or via pressure generator and is a much simpler method than the labor-intensive processes required by other high-pressure viscometers. Our special low-torque sealing system makes it easy to change sensor pistons to quickly accommodate different viscosity ranges. Specialized technical support is not necessary.

Visco Pro-Line



Visco Pro-1600
viscometer



Visco Pro-2000
viscometer



Visco Pro-8000
Multi channel
viscometer