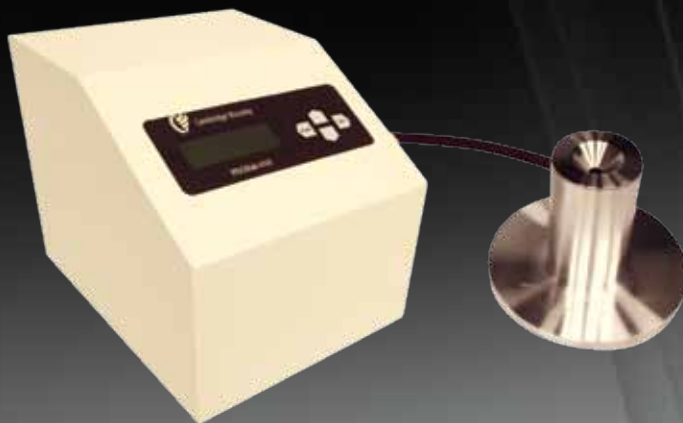


VISCOlab 4000



VISCOlab 4000

The VISCOlab 4000 Small Sample Viscometer contains a piston-style electromagnetic viscometer and embedded PT100 temperature sensor that provides continuous viscosity and temperature readings.

Measurements can be made in any of twelve overlapping 20:1 viscosity ranges. Viscosity can be displayed in either centipoise (cP) or centistokes (cSt), temperature can be displayed in either °C or °F.

The optional liquid circulating jacket permits operation from -40°C to 110°C. Multiple operating ranges and product set-ups can be precalibrated.

Data is logged internally for storage of up to 1,000 measurements. It can be output to a PC, via the RS-232 serialport for tracking, storage or graphical display. The electronics allow the user to define temperature and viscosity display units,

data logging interval, and much more. The electronics also provide digital readings, as well as, statistics on sample stability that allow greater repeatability between tests and operators.

Easy to use, easy to clean, and easy to maintain - the VISCOlab 4000's small footprint make it ideal for lab applications.

KEY FEATURES

Proprietary and Proven Technology

- Accurate and reliable
- Requires less than 2ml of fluid
- Digital displays of centipoise and centistokes
- Digital temperature display in C or F
- RS232 Interface
- Stores up to 40 product specific test set-ups
- Data logging

Easy to Use

- Easily installed and serviced
- One moving part, the piston
- Self-cleaning
- Minimum bench space required

APPLICATION RANGE

Viscosity measurements from
0.2 To 10,000 centipoise

STANDARD METHODS

Complies with ASTM D7483

Correlates with ASTM D445



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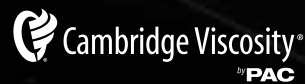
SPECIFICATIONS

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*	±1.0% of full scale
Repeatability	±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 15 watt

* ± 5% of full scale 500-10,000 cP range

OPTIONAL FLOW THROUGH JACKET

Multiple Ranges (One piston per range)
Flow Through Jacket 304 Stainless Steel for heating/cooling (pictured below)
Printer and cable for QC reporting control and sample control
VISCOLab 4000 sample chamber sealing cap
Recirculating baths



Cambridge Viscosity

With more than 10,000 installations worldwide, Cambridge Viscosity is the proven leader in small sample viscosity management technology. With over 25 years of experience, Cambridge Viscosity understands and meets the needs of laboratory researchers and process engineers in a wide range of industries whose jobs depend on the quality, accuracy, and reliability of viscosity measurement equipment. With their patented sensor technology, Cambridge Viscosity has become the gold standard in the industry.

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