

RHEOSENSE

---

**VROC POWERED  
VICSOMETERS**

---

# OUR VISCOMETERS



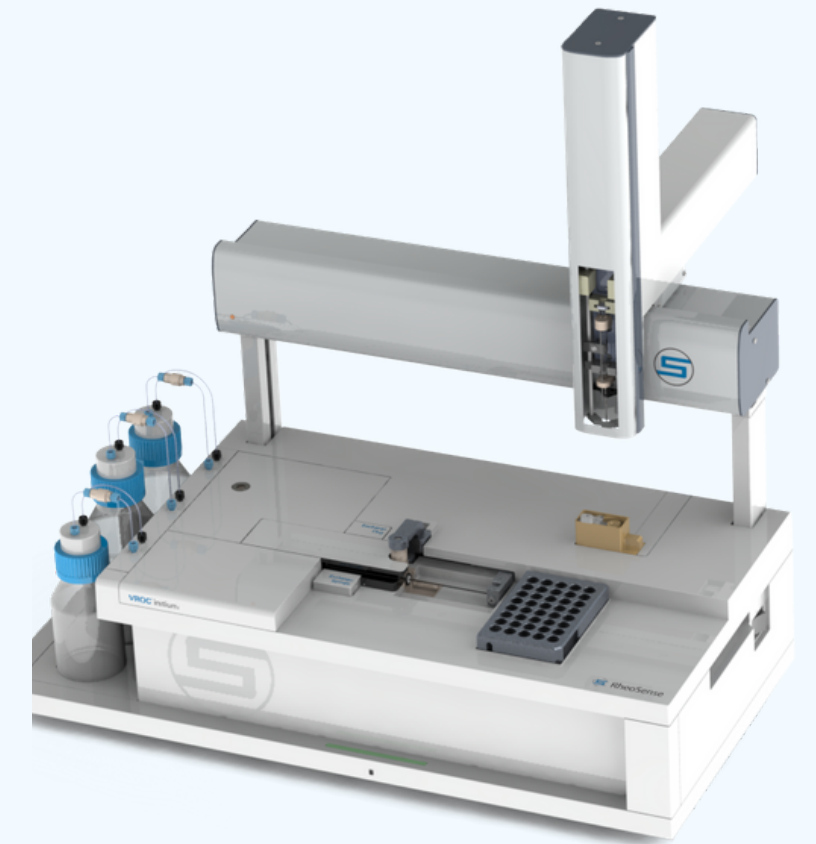
## MICROVISC

Portable viscometer for quick and easy research and quality control measurements



## M-VROC

Small sample, high shear viscometer ideal for research and development



## VROC INITIUM ONE PLUS

Automate viscosity measurements with small samples and high throughput

# Viscometer Specifications

## MICROVISC

Minimum Sample Volume	100 µL
Shear Rate Range s-1	1.7 – 5,800 1/s
Viscosity Range mPa-s (cP)	0.2 – 20,000
Temperature Range**	18 ~ 50 °C**
Temperature Stability	~+/- 0.07 °C
Repeatability	Up To 0.5% of Reading
Accuracy	2% of Reading
Temperature Accuracy	0.15
Temperature Sensor	Built in
Non-Newtonian	Yes
Software	Optional - Capabilities export data into excel & PDF

## M-VROC

Minimum Sample Volume	50 µL
Shear Rate Range s-1	0.5 ~ 1,400,000 s-1
Viscosity Range mPa-s (cP)	0.2 – 20,000
Temperature Range	4~70 °C
Temperature Stability	~+/- 0.07 °C
Repeatability	Up To 0.5% of Reading
Accuracy	2% of Reading
Temperature Sweep	Yes
Shear Rate Sweep	Yes
Non-Newtonian	Yes
Software	Included

## VROC INITIUM ONE PLUS

Minimum Sample Volume	26 µL
Shear Rate Range s-1	40 – 140,000 1/s
Viscosity Range mPa-s (cP)	0.3 – 1,000 mPa-s*
Temperature Range	4~70 °C
Temperature Accuracy	0.15
Repeatability	Up To 0.5% of Reading
Accuracy	2% of Reading
Automated	Yes
Temperature Sensor	Built in
Non-Newtonian	Yes
Software	Included Optional - Clariti software

\*manual injection can handle higher viscosities

# Key Applications

## MICROVISC

- BioPharmaceuticals & Protein Therapeutics
- Consumer Goods – Household Care
- Food & Beverages
- Fracking
- Hydrogels
- Inks: conductive, ceramic, inks
- Oils/lubricants
- Ointments
- Rechargeable Batteries
- Research
- QC
- Stamping Oil Recovery
- Suspensions

## M-VROC

- Bio-pharmaceutical & Protein Therapeutics
- Bio-Fluid
- Injectability
- RNA Therapeutics
- Ceramic
- Coatings
- Cosmeceuticals
- Food & Beverages
- Fracking
- Inks
- Conductive
- Ceramic
- Oils & Lubricants
- Rechargeable Battery and Fuel Cells

## VROC INITIUM ONE PLUS

- Engine Oils
- Standard Oils
- NIST Traceable Mineral Oils
- ASTM Standards
- Inkjet Inks
- Conductive/ Graphene Inks
- Electrolyte Solutions
- Skincare (serums)
- Fragrances
- Volatile Chemicals
- Cannabis Oils
- Food & Beverage
- Intrinsic viscosity
- Automation
- Formulation
- Protein Screening
- Antibody Therapeutics
- Drug Delivery
- RNA Therapeutic
- Hydrodynamic Radius
- Whole Blood/Blood Plasma & Serum
- Enzymatic Reaction Kinetics
- Molecular Weight & Size
- Solubility
- Protein Stability
- Cell Culture
- Viscosity-Injectability
- Ophthalmic Solutions

# QUESTIONS? COMMENTS?

## LET US KNOW!

---

### **ADDRESS**

2420 Camino Ramon, Suite 240 San Ramon, CA 94583

### **PHONE**

(925) 866- 3801

### **EMAIL**

[sales@rheosense.com](mailto:sales@rheosense.com)

# See you on Social Media



**FACEBOOK**

[www.facebook.com/rheosense](http://www.facebook.com/rheosense)



**TWITTER**

[www.twitter.com/rheosense](http://www.twitter.com/rheosense)



**LINKEDIN**

[www.linkedin.com/company/rheosense](http://www.linkedin.com/company/rheosense)