

Applications

RheoSense Our viscometers have redefined the way viscosity is measured with the benefit of VROC® technology. All RheoSense viscometers require only small sample volume, control from low to very high shear rates, and measure true viscosity of Newtonian and non-Newtonian liquids.







Temperature Control	4 - 70°C
Sample Storage Temperature Control	N/A
Dimensions	145 x 216 x 406 (mm)
Total Sample Volume	~10 µL
Shear Rate Range	0.86 to 2,020,000 1/s
Viscosity Range	0.4~ >200,000cP
Accuracy	±2% of reading
Repeatability	0.5% of reading
Sample Loading	Manual
Throughput	One sample at a time
Sample Retrieval & Recovery	Yes
Software Compliance	21CFR Compliant

VROC Initium one plus		
4 - 70°C		
4- 40 ° C		
715 x 373 x 193 (mm) (no autosampler) 715 x 373 x 724 (mm) (with autosampler)		
~19 µL		
40 - 140,000 1/s		
0.3 - 1,000 mPa-s (with autosampler) 0.3 - 3,000 mPa-s (with manual syringe)		
±2% of reading		
0.5% of reading		
Automated		
96 well plate or 40 vial rack		
Yes		
21CFR Compliant		
RESEARCH AND DEVELOPMENT		
Injection Force Calculation		
Repeated Shear/ Pumping Study		
Automation		

Intrinsic Viscosity/ Molecular Sizing

Hydrogels

microVISC ™	
18 - 50°C	
N/A	
145 x 216 x 71 (mm)	
~100µL	
1.7 – 5,800 1/s	
0.2~ >200,000cP	
±2% of reading	
0.5% of reading	
Manual	
One sample at a time	
NO	
No	
QUALITY CONTROL	
Household Care	
Oils & lubricants	
Rechargeable Batteries	

RESARCH AND DEVELOPMENT Injection Force Calculation

Hydrogels

Oils & lubricants

Rechargeable Batteries

Intrinsic Viscosity/ Molecular Sizing