

HyperVisc HV1 High-Temp High-Pressure Precision Viscometer for PVT Experiments

Specifications

- ◆ Viscosity Range 0 - 20,000 cP
- ◆ Temperature to over 350°C
- ◆ Pressure to over 30,000 psi
- ◆ Fluid Volume < 4 cc

Features

- ◆ Flow-thru Capability
- ◆ Continuous Measurement
- ◆ No Maintenance
- ◆ Not Affected by Particles



HyperVisc HV1 Precision PVT Viscometer

Specification (standard units)

Transducer

Type:	HV1-100
Viscosity accuracy:	±1% of reading
Viscosity repeatability:	±0.3% of reading
Complete viscosity range:	0 to 20,000 cP
Temperature range (sensor):	-40°C to 350°C
Pressure range:	30,000 psi
Sample cell connections:	HiP HF4
Wetted materials:	Hastelloy C276

Interface Unit

Type:	VCon-100
Environmental Rating:	IP65
Dimensions:	150×150×90mm
Materials:	SS316L / AL6082
LED Indicators:	Data / Status



Signal Processor

Type:	VP550H
Environmental Rating:	IP65
Power Supply:	24 V DC @ 100 mA (including transducer)
Analog Outputs:	3 × 4-20 mA fully configurable, representing viscosity, corrected viscosity or temperature
Digital Output:	RS485 Modbus serial link
Temperature:	Viscosity correction to reference temperature
Alarms:	2 × volt-free contact outputs

innovators in fluid measurement

Hydramotion