

ViscoSite™ Viscometer

Product Specifications

GALVANIC
APPLIED SCIENCES

PERFORMANCE

Accuracy	± 2% of Reading
Repeatability	± 0.25% of Reading
Reproducibility	± 1% of Reading
Response Time	T90: 1 Second
Method / Technology	Torsional-Oscillation Viscometry
Range	0.1 to 1,000,000 cP [Up to 5 Decades Per Sensor]

SENSOR

Pressure / Temperature	≤ 2,500 psi @ 25°C / 0° to 400°C [32° to 752°F]
Materials of Construction	Stainless Steel, Hastelloy, Monel, Teflon-Coated, Sensor Shield Option, etc.
Probe Length / Cable	5" to 12" [Other Lengths Upon Request] / ≤ 300 Meters
Installation Options	In-Line: Reactor, Tank, Pipe / Laboratory: Benchtop Model
Units	cP, cP x g/cm ³ , mPas, cSt
Compensation	Built-In RTD for Temperature; 4-20mA Input for Density [Manual or Automatic]

ENVIRONMENT

Temperature / Humidity	0 to 60°C [32° to 140°F] / 0 to 95% Relative Humidity [Non-Condensing]
Installation	Indoors, Suitable Enclosure, Outdoors Under Sun Shield
Dimensions / Weight	301 x 335 x 172 mm [12" x 13" x 7"] / 5.5 kg. [12 lbs.]
Enclosure	Fiberglass, IP66, NEMA 4X or Stainless Steel


UTILITIES

Power / Consumption	24 VDC or 90 to 265 VAC, 10 Watts
Air or Nitrogen	10 psi [For Samples > 200°C]
Cooling Water	Flow Rate Application-Specific [For Samples > 300°C]

COMMUNICATIONS

Analog Outputs	3 x 4-20mA Outputs [Self-Powered]
Analog Inputs	1 x 4-20mA Inputs [Density, Transducer Dome RTD, Probe Temperature]
Digital Outputs	Modbus TCP/IP, RS232, RS485; USB; Ethernet; PC GUI; 2 x SPDT Relays
Human Machine Interface	5" Color LCD With Local Touch-Pad

CERTIFICATIONS

Transmitter (CEC / NEC)	Class I Div. 2 Groups BCD T3 [Field Certification]
Sensor (CEC / NEC)	Class I Div. 1 [Field Cert] / ATEX/IECEX  II 1G Ex ia IIB T3 Ga T _{amb} = -20 to 175°C