

# ViscoSite™ Viscometer

## Product Specifications

**GALVANIC**  
APPLIED SCIENCES

### PERFORMANCE

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

### SENSOR

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

### ENVIRONMENT

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


### UTILITIES

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

### COMMUNICATIONS

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

### CERTIFICATIONS

<b>Transmitter (CEC / NEC)</b>	Class I Div. 2 Groups BCD T3 [Field Certification]
<b>Sensor (CEC / NEC)</b>	Class I Div. 1 [Field Certification] / ATEX/IECEx  II IG Ex ia IIB T3 Ga T <sub>amb</sub> = -20 to 60°C