

A rugged viscosity control solution  
for your process system!

# FAST/MXTS<sup>TM</sup>

## VISCOSITY SENSOR/ TRANSMITTER

- Highly sensitive, versatile in-line instrument
- For use fully-flooded, under pressure or vacuum
- No moving parts, no maintenance, unaffected by vibration
- Flexible mounting configurations



# FAST/MXTS™

## VISCOSITY SENSOR/TRANSMITTER

For viscosity control in process applications

### FEATURES

The Brookfield FAST system has a rugged design with non-moving parts. It has been designed to perform day after day under the extreme demands with no maintenance. Utilizing a high frequency, micro-rotational core, this worry-free system can measure and control the viscosity of your products from start to finish allowing the operators to handle other concerns.

Features include:

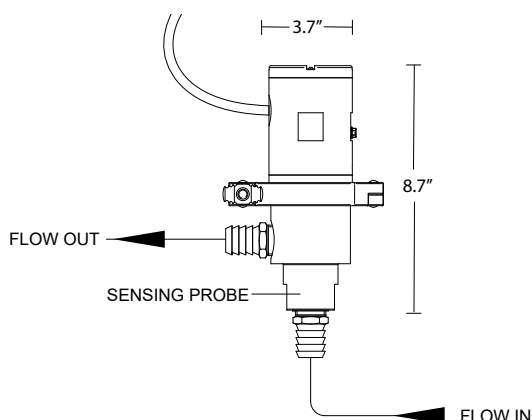
- Unique micro-rotational sensor
- No moving parts, no maintenance
- Unaffected by external vibration
- Flexible vertical or horizontal installation
- True temperature readings to 120°C (Up to 200°C optional)
- Maintains correct color throughout the process
- Compact: only 8.5 inches (21.6cm) tall
- Worldwide support

### FAST101/MXTS SENSOR SPECIFICATIONS

Measurement Type	Torsionally oscillating probe
Measurement Range	1-3,300 (opt. 12,000) cSt
Process Connections	¾" female threaded (1" male or female threaded and 3A designs, optional)
Repeatability	±1.0% of reading
Wetted Surfaces	316L stainless steel
Sensor O-ring	Viton (EPDM, Kalrez, or Isolast, optional)
Temperature (fluid)	-4 to 248°F (-20 to 120°C, opt. to 200°C)
Pressure Range	Vacuum to 200 psig max. (400 psig optional)

### OPTIONS AND ACCESSORIES

- Single Station Controller
- Multi-Station Controller
- Flange Mounting
- Immersion probe Style Mounting
- NEMA7 and ATEX Explosion-Proof Configurations
- Sanitary (food grade) and Ink System Configurations



### FMXTS TRANSMITTER SPECIFICATIONS

Viscosity Ranges (cST, field selectable)	0 to 10, 0 to 50, 0 to 100, 0 to 250, 0 to 500, 0 to 1000, 0 to 1500, 0 to 2000, 0 to 3300, 0 to 12000
Analog Output (2)	4-20 mA (non-isolated) CH1 = viscosity CH2 = temperature
Serial Port	Port 1 = RS232, simple, read only Port 2 = ½ Duplex RS485, Modbus RTU driver
Electronics Package	Wall mount, NEMA-4 (IP65), 8" x 8" x 6" (203 x 203 x 152mm), 32 to 104°F (0 to 40°C)
Electrical Area Rating	NEMA-4 (NEMA-7 or ATEX optional)
Power Requirements	24 VDC, 115/230 VAC, 50/60 Hz