Data Sheet

BROOKFIELD

FAST/FMXTS Viscosity Sensor/ Transmitter

Supplied by

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FAST/FMXTS

Viscosity Sensor/ Transmitter

Rugged Viscosity Control Solution for Any Process System

- Highly sensitive, versatile in-line instrument
- For fully-flooded applications up to 200 psig
- No moving parts, no maintenance, unaffected by vibration
- Flexible mounting configurations

Features

The AMETEK Brookfield FAST system has a rugged design with no 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**
- **Maintains correct ink color throughout the process**
- **Compact: only 8.5 inches (21.6cm) tall**

Applications

- Single Station Controller
- Multi-Station Controller
- Immersion Probe Style Mounting
- NEMA-7 and ATEX Explosion-Proof Configurations
- Sanitary (food grade) and Ink System Configurations

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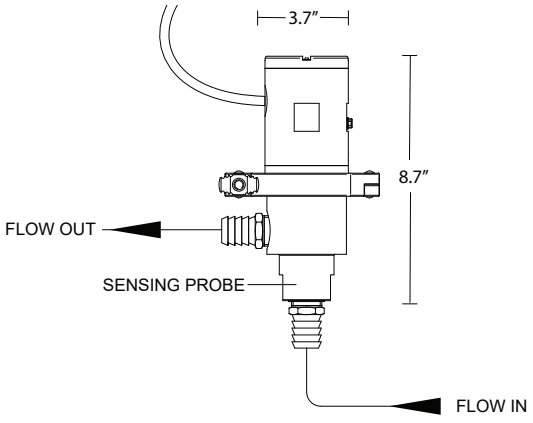
Repeatable Reliable Accurate

FAST Viscosity 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)
Pressure Range	0 to 200 psig max.

FMXTS Transmitter Specifications

Viscosity Ranges (cST, field selectable)	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



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