AST-INK VISCOMETER

With no moving parts, the FAST system is the perfect choice for the extreme demands such as paints, inks and coatings. The Brookfield FAST101 system has a rugged design with nonmoving parts. It has been designed to perform day after day under the extreme demands in printing, coating and adhesive operations - with no maintenance. Utilizing a high frequency, micro-rotational core, which is unaffected by press vibration, this worry free system can measure and control the viscosity of your inks, coatings and adhesives from start to finish...allowing the operators to handle other press concerns.

FEATURES & BENEFITS

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

FAST101/MXTS SENSOR SPECIFICATIONS

Measurement Type:	Torsionally oscillating probe
Measurement Range:	1 to 3,000 (optional 12,000) cSt using an NIST traceable, Newtonian fluid measured at 25°C
Process Connections:	¾" standard, (1½" tri-clamp or 3A design, optional)
Repeatability:	±1.0% of reading
Wetted Surfaces:	316L stainless steel Isolast for probe Viton for chamber housing
Sensor O-Ring:	(EDPM or Kalrez®, optional)
Temperature (Fluid):	-4°F to 392°F (-20°C to 200°C)
Pressure Range:	Vacuum to 200 pig max., 400 psig option

FMXTS TRANSMITTER SPECIFICATIONS

Viscosity Range (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 12500
Analog Output (2):	4-20 mA (non-isolated) CH1 = viscosity CH2 = temperature
Serial Port (2):	Port 1 = RS232, simple, read only Port 2 = ½ Duplex RS485, Modbus RTU driver
Electronics Packaging:	Wall mount, NEMA-4 (IP65), 8” x 8” x 6” (203 x 203 x 152mm)
Electrical Area Rating:	32°F to 104°F (0°C to 40°C) NEMA-4
Interconnecting Cable:	25 ft (7.6m) standard Optional: 50 ft (15.2m), 75 ft (22.8m) and 100 ft (30.4m)
Supply Voltage:	18-30VDC or 115VAC/60 Hz or 230VAC/50 Hz (±10% max), power draw <1 amp