

AST-100FTSY

In-line Viscosity Control



Model AST-100FTSY Viscometer complies with 3-A sanitary standards. Ideal for food and dairy industries as well as other industries requiring improved cleanability.

- ▶ No moving parts to wear, bind or contact process materials
- ▶ No narrow gaps to trap product
- ▶ Simple Clean-In-Place design
- ▶ Rugged 316 SS construction
- ▶ Continuous, reliable 4-20 mA, RS232 or RS485 output
- ▶ Saves you money while increasing your production
- ▶ Easy installation

Optional AST-300SY
Single Station Controller

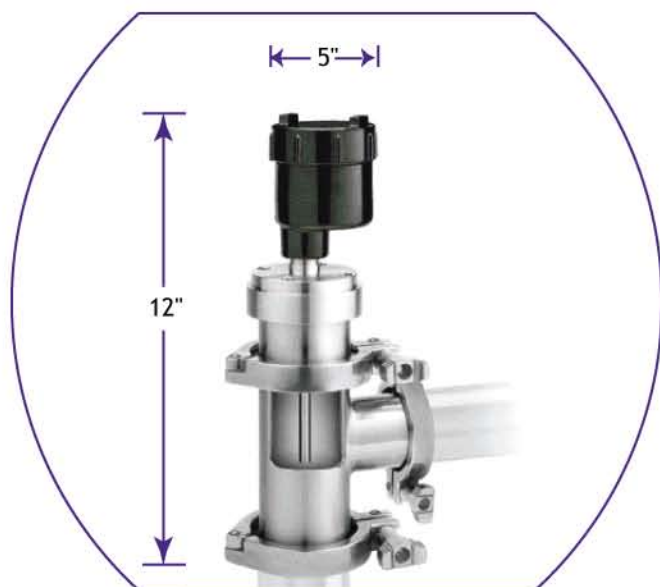
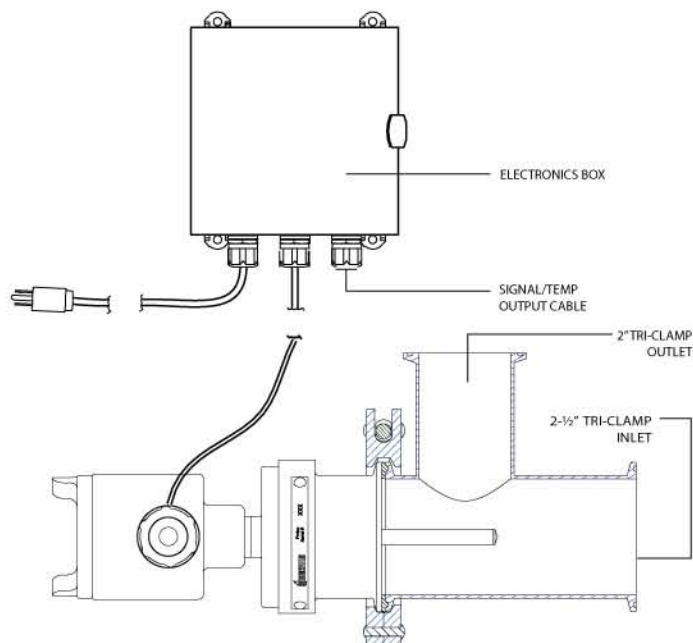


Optional AST-400SY
Multi-Station Controller

BROOKFIELD[®]
ISO 9001:2000 CERTIFIED

AST-100FTSY

In-line Viscosity Control



AST-100FTSY Viscosity Sensor Specifications

Measurement Type:	Torsionally oscillating probe
Measurement Range:	0 to 3,300 cSt using an NIST traceable, Newtonian fluid measured at 25°C
Process Connections:	2½" tri-clamp 3A design inlet, 2" tri-clamp outlet
Repeatability:	± 1.0% of reading
Wetted Surfaces:	316L stainless steel
Sensor O-Ring:	Isolast for probe, Viton for chamber housing
Temperature (fluid):	-20 to 120°C (-4 to 248°F)

AST-100TSY Transmitter Specifications

Viscosity Ranges (field selectable):	0–10 cSt, 0–50 cSt, 0–100 cSt, 0–250 cSt, 0–500 cSt, 0–1000 cSt, 0–1500 cSt, 0–2000 cSt, 0–3300 cSt.
Maximum Resolution:	Analog: ± 0.05% of full scale Digital: ± 0.01 cSt
Analog Output (2):	4–20 mA (non-isolated) CH1 = viscosity CH2 = temperature
Serial Port (2):	Port 1 = RS232, simplex, read only, Port 2 = ½ Duplex RS485, Modbus RTU driver
Temperature Range (ambient):	0 to 40°C (32 to 104°F)
Electronics Packaging:	Wall mount, NEMA-4 (IP65), 8" x 8" x 6" (203 x 203 x 152mm)
Electrical Area Rating:	NEMA-4
Interconnecting Cable:	25 ft (7.6m) standard: 50 ft (15.2m), 75 ft (22.8m) and 100 ft (30.4m) optional
Supply Voltage:	115V/60 Hz or 230V/50 Hz (± 10% max), power draw <2 amp

