



## TT-100 Viscometer

The TT-100 In-Line Viscometer is designed to provide years of trouble-free service in closed loop systems which require constant monitoring and associated control of product viscosity. **Now available with IECEx, ATEX, and North American Explosion-proof Certifications.**



### FEATURES AND BENEFITS

- Continuous measurement eliminates need for "Grab" sampling and allows for prediction and constant control of final product properties
- Concentric cylinder geometry (Couette type) provides viscosity measurements at defined shear conditions
- Defined shear means agreement with Brookfield Laboratory measurements at equivalent shear rates
- Constant or variable speed motors available
- 4-20 mA output signal provides a variety

of display and control capabilities

- Capable of a wide range of pressures, temperatures, viscosities, flow and shear rates
- Measurement "Zone" is protected from main flow, allowing accurate, repeatable measurement under variable conditions
- Mounts in-line supported by connections: Available in 1", 1½", 2", or 4" pipeline connections; sanitary, threaded or flanged
- Easy to check and maintain calibration
- Can be operated at shear rates of 511 sec<sup>-1</sup> as required by the Standards of the American Petroleum Institute (API)
- Use in hazardous locations worldwide with optional IECEx, ATEX, and North American explosion-proof certifications

### SPECIFICATIONS

- Viscosity Range: 10 - 500,000 (cP/mPa·s)
- Speeds: Single speed: application specific
- Input Power: 115 Vac: 50/60 Hz 230 Vac: 50/60 Hz 24 VDC
- Output: 4 - 20 mA

### OPTIONS

- TT-100 IECEx model certified to IECEx, ATEX, and North American explosion-proof standards
- 3A approved food grade design STT-100
- Variable speed motor
- Computer controlled variable speed viscometer