

SEKONIC

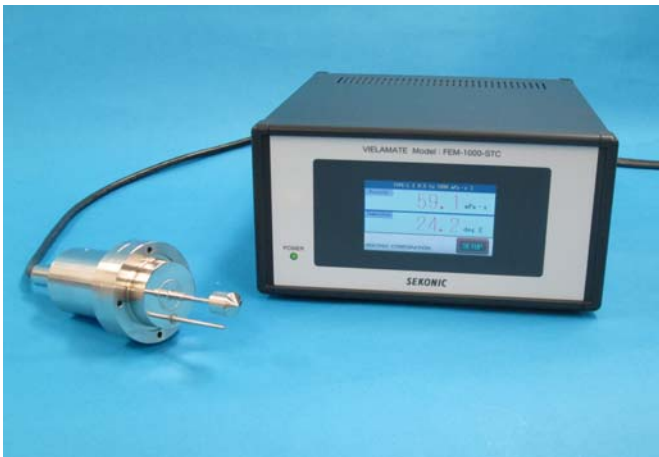
NEW

JIS Z 8803 Compliant

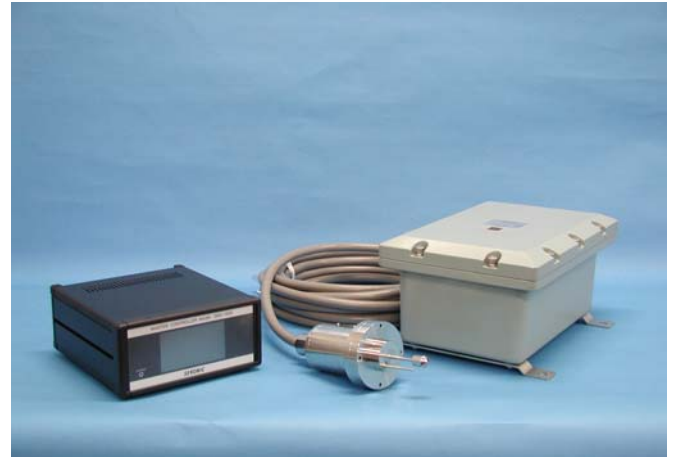
TORSIONAL, OSCILLATION Type In-Line Viscometer

FEM-1000V Series

*Measuring viscosity with the change of resonant frequency
Accuracy is $\pm 1\%$ of actual measured value*



FEM-1000V-ST



FEM-1000V-EX (Explosion-Proof)

< Features >

- ◆ Since the mass sensor and detector are balanced at immobile node of the torsional rod, our viscometers accurately measure viscosity without being affected by process vibration and noise.
- ◆ The accuracy is $\pm 1\%$ of actual measured value.
- ◆ Our Viscometers can measure viscosity in a resting state and current.
- ◆ The probe of viscometers can be installed on tank or plumbing in any directions.
- ◆ The probe is compact and tough can measure viscosity as superior repeatability.
- ◆ The probe is completely shielded and has no moving parts, so, it doesn't need maintenance for a long time.

Specification Table

Product Name								
Product Code		FEM-1000V-ST	FEM-1000V-MT	FEM-1000V-EX	FEM-1000V-EXMT	FEM-1000V-EXHT		
Explosion Proof	Probe				Ex d II BT6			
	Slave			Ex d II CT6	Ex d II CT3	Ex d II CT6		
Viscosity ※1	L range	0.5 - 1,000mPa·s		0.5 - 1,000mPa·s				
	M range	10.0 - 5,000mPa·s		10.0 - 5,000mPa·s				
	H range	500 - 20,000mPa·s		500 - 20,000mPa·s				
Accuracy & Repeatability of viscosity ※2	L range	+/- 1% of actual reading			+/- 1% of actual reading			
	M range							
	H range							
Temperature	Probe	0 - 70°C	0-180°C ※4	0 - 70°C	0-180°C ※4	0 - 300°C		
	Thermometer	0 - 100°C	0 - 180°C ※4	0 - 100°C	0 - 180°C ※4	0 - 300°C		
Calibration		Calibration by Viscometer calibration standard liquid JIS Z 8809-2011						
Output		4-20mA output and RS232C						
Ambient		10 - 40°C, 20 - 80%RH (No condensation except for Detector part)						
Power Supply		AC 100 - 240V 50/60Hz		DC24V 250mA				
Composition	1. Probe		1. Probe					
	FVM80A-PST		FVM80A-PMT		FVM80A-PEXG		FVM80A-PEMT	FVM80A-PEXH
	φ 70x190/1.4kg		φ 155x237/1.4kg		φ 90x229/5kg	φ 95x261/1.4kg	φ 175x349/9kg	
	2. Controller		2. Slave Controller					
	FEM-1000V-STC (260x139x280/6kg)		FEM-1000-EXSC (240x350x174/13kg)					
3. Connecting cable between probe and Controller L=5m ※5		3. Master Controller (SMC-1000V 99x210x230/3kg)						

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Manufacturer : SEKONIC CORPORATION

Reseller :