

Ultrasonic Viscosity Meter [In-line type] **FUV-1** series

**FUV-1
Model-104**



**FUV-1
Model-204**
(explosion proof model)



Advantages

- Ultrasonic torsion mode vibration ▶ Real time measurement with high accuracy
- No moving part design ▶ No requirement for periodical parts replacement
- Simple sensor design ▶ Trouble less cleaning
- Easy installation ▶ No position limitation & adjustments required at installation
- Real time output ▶ Available for in-line process control

Measurement experiences

■ Adhesive ■ Oil ■ Cosmetics ■ Resist ■ Ink ■ Coating material
■ Latex ■ Polymer etc

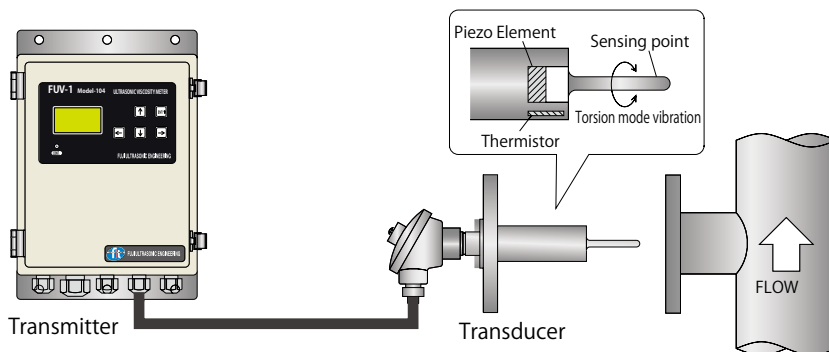


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Specifications

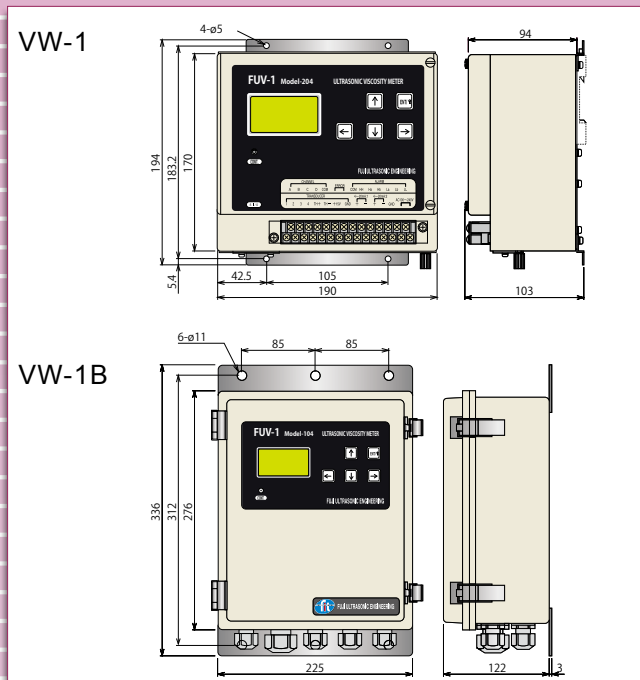
Product	FUV-1 Model-104 / FUV-1 Model-204 (explosion proof model)
計測原理	Ultrasonic torsion mode vibration
Display	LCD (Viscosity, Temperature, and parameters)
Temperature	0-100C
Environment	Transmitter / 0-50C RH less than 85% (No dew condition) Transducer / 0-100C
Output	Analog DC4-20mA (Adjustable) Digital RS232C Alarm High & Low
Power requirement	AC100-240V 50/60Hz 30VA
Measurement ranges	Low viscosity / 0-100mPas Middle viscosity / 0-1,000mPas High viscosity / 0-10,000mPas
Accuracy	+/-2%FS
Explosion proof spec.	Transducer ExIICT4 Repeater ExLIBT4

Measurement principle

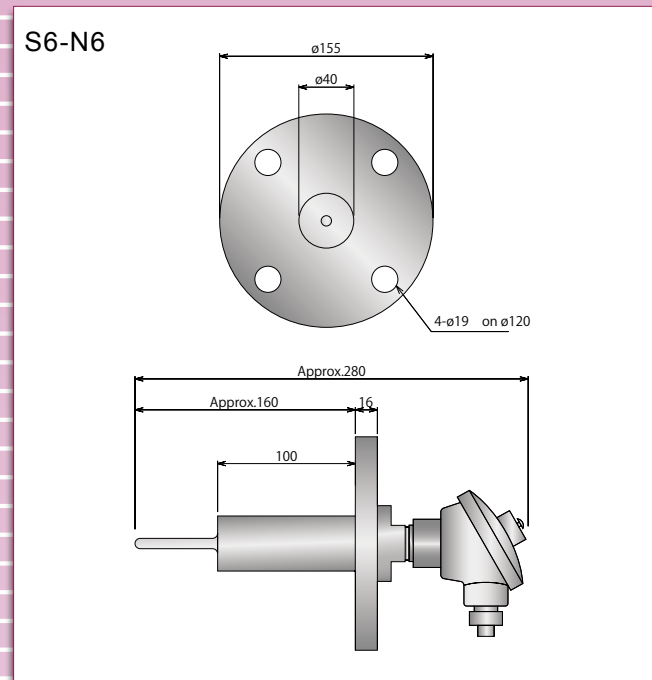


The transmitter provides torsion mode vibration of fixed frequency to the transducer. To maintain the fixed frequency, under forced condition by flow registration, the transmitter has to control electric current for the drive unit. Then, it measures flow viscosity with electric current change.

Transmitter dimension



Transducer dimension



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