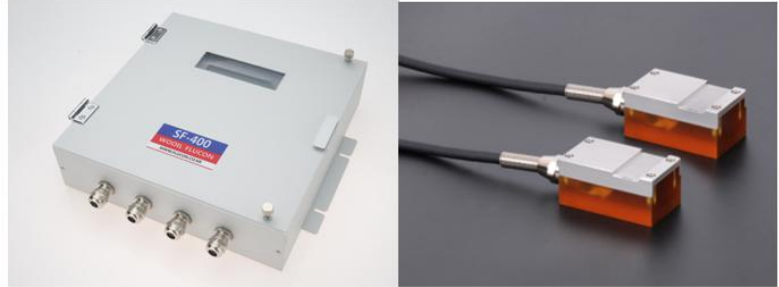


ULTRASONIC Flowmeter

초음파 유량계



▶ 사용용도

- 케미칼
- 오일
- DI Water(순수)
- 냉각수

▶ 전장케이스

- 두 가지 타입으로 공급이 가능
- 판넬마운팅 타입 - P type
- DIN Rail 타입 - D type

▶ 검출센서 설치 방식

- 두 가지 타입으로 공급이 가능
- V 타입 - 소 구경 배관에 적용 (25-400mm)
- Z 타입 - 대 구경 배관에 적용 (100-300mm)

▶ GENERAL

- Transit-Time Ultrasonic Flowmeter
- Measurement of feed water, pure water and chemicals for almost all pipe with size, 25mm~4m (1"~200")
- High tolerance of liquids with small amount of gas bubbles or suspended solid found in most industrial environments
- High precision and reliability with the world's most advanced IC and microprocessor technology and timing circuit(0.1nS)

- Transit-Time 방식 디지털 초음파 유량계
- 25mm~5meter(1"에서 200")까지의 거의 모든 배관의 시수, 순수, 케미컬 등의 유량을 측정
- 순수 적용 적합, 산업환경에서 발생하는 소량의 기포나 현탁물질에 탁월한 성능 발휘
- 최첨단 마이크로 프로세스 기술 및 Timing circuit(0.1nS)를 이용하여 뛰어난 정밀성은 물론 높은 신뢰성 보유

▶ FEATURES

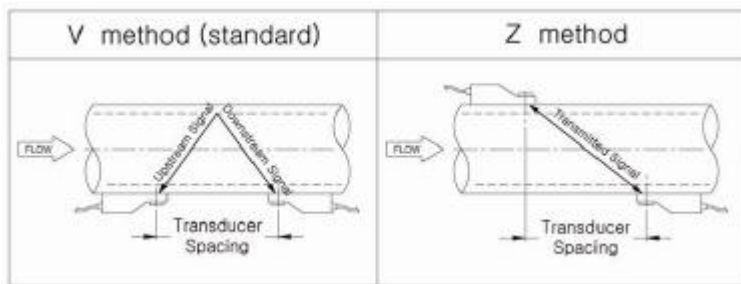
- Low power consumption, high reliability, anti-jamming and outstanding applicability
- Prompt reply within 0.5 seconds
- No influence from pressure conductivity of measuring liquid(applicable to big change of temperature and pressure)
- Clamp on sensor(simple installation on existing pipe)
- 낮은 전력 소비량, 높은 신뢰성, 뛰어난 적응성을 가지며 전파방해가 없음
- 0.5초 이내의 고속응답
- 측정 유체의 압력 도전을 등의 영향을 받지 않음(온도, 압력변동이 큰 곳에도 적용가능)
- Clamp on sensor(기 설치된 배관에 간단히 설치가 가능)

▶ ORDERING INFORMATION

SF-400 -
 ① ②

SF - 400	①Output Option(OCT pulse output, relay output)	②Cable Length
	A : RS485 (Standard) 4-20mA (Standard)	1 : 10m(standard) 2 : others(contact to factory)

▶ INSTALLATION



▶ SPECIFICATION

Flow range	0~±40 ft/s (0~±12m/s)	Outputs	Pulse output: 0~9999Hz, OCT, (min. and max. frequency is adjustable)
Accuracy	±0.5% of measured value (for 0.5~4.0 m/s or 1.5 ~ 13 ft/s)		Relay output: 1A/30VDC, 0.3A/125VAC
Repeatability	0.15%		Analog output(Optional): 4~20mA max load 750Ω
Pipe size	25mm to 5000mm (1 in to 200 in)	Input	RTD 2*PT100 interface (exclude PT100 transducer)
Fluid	Water / Chemical / Slurry	Interface (Optional)	Two wires or three wires system: 0~ 60°C (32~140°F)
Pipe material	Carbon steel, stainless steel, PVC, Copper, Aluminum, fiber glass, cast iron, etc	Communication Interface	RS485 (Standard)
Double-shielded Transducer cable	Standard/maximum cable length: (10m/305m, 30ft/1000ft ()	Power supply	90~250 VAC
Weight	Transmitter: approximately 0.7kg Transducer: approximately 0.4kg	Keypad	16(4x4) key with tactile action
Humidity	Up to 99% RH, non-condensing	Display	40 character, 2line (20x2) lattice alphanumeric, backlit LCD
Temperature	Transmitter: -10°C ~ 50°C Transducer: 0°C ~ 60°C	Data storage	1G SD Card data logging capacity