



GSA-500 Series

Ultrasonic Flow meter
Panel Fixed Clamp-on type

FEATURE

- CE - LVD(2014/35/EC), EMC(2014/30/EU), RoHS(2011/65/EU) 인증
- 물, 기름, 화학 약품 등 광범위 한 유체 측정 가능
- 부식 및 고열에 강한 세라믹 센서 적용
- 배관 절단 및 단수 불 필요
- 저유량 · 저유속 유체 측정 가능
- 구동 부품이 없어 고장률이 낮고 압력 손실이 없음
- 오랜 시간 탁월한 안정성과 정확성 제공
- 다양한 신호의 외부 출력 지원
- 소유량부터 대유량까지 측정 가능

APPLICATIONS

- ▶ 일반 산업 분야
 - 유량과 관련된 일반적인 문제 해결
 - 기존 유량계의 유량 검증 및 확인
 - 기존 유량계 문제 시 문제 해결과 임시 교체
 - 공정 유량 현장 검증
- ▶ 수자원 산업
 - 누수 제어
 - 펌프 검증
 - 지하수 원정 점검
- ▶ 기본 발전과 원자력 발전 산업
 - 냉각수
 - 보일러 공급 물

■ GSA-500 General Specifications

Size	15A - 1200A					
Repeatability	≤0.2 %					
Fluid	Most of Liquid					
Accuracy	±1.0 % F.S					
Flow Velocity	0.3 m/s ~ 10 m/s					
Working Temperature	-20 °C ~ 60 °C					
Sensor Temperature	ST (15A ~ 40A)			MT (25A ~ 1200A)		
	T1	T2	-	T1	T2	T3
	0 ~ 65 °C	0 ~ 115 °C	-	-40 ~ 80 °C	-40 ~ 130 °C	-40 ~ 180 °C
Pipe Material	Carbon steel, Stainless steel, PVC and other Compact material pipe					
Power Supply	AC 85-250 V (50~60) Hz / DC 24 V					
Display	LCD Display (Flowrate, Totalizer, Flow Velocity) / With Backlight					
Output	DC 4-20 mA, RS-485, Pulse					
Cable Length	Standard cable length 5m					
Ingress Protection Grade	Indicator IP66 / Sensor IP68					

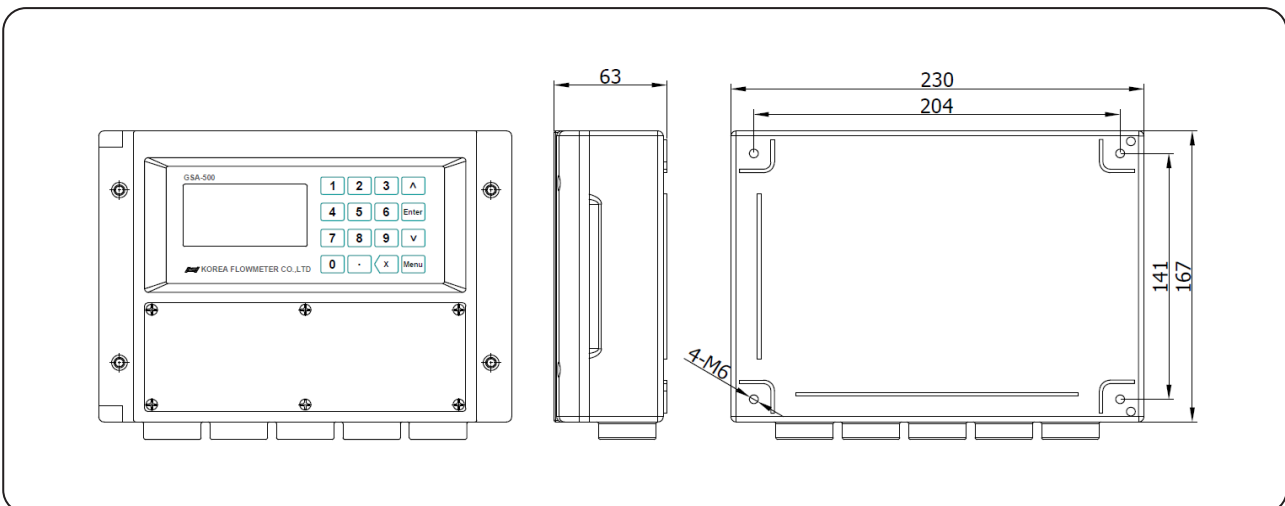
■ Temperature Sensor Specifications (For Calorimeter)

Type of Measuring Element	Pt1000
Reference Resistance	1000Ω
Installation Method	Pipe-mounted Type, Insertion Type
Grade	ClassAA, ClassA, ClassB
Temperature	T1 - (0 °C ~ 105 °C) T2 - (0 °C ~ 150 °C) T3 - (0 °C ~ 180 °C)
Wiring	3-Wire

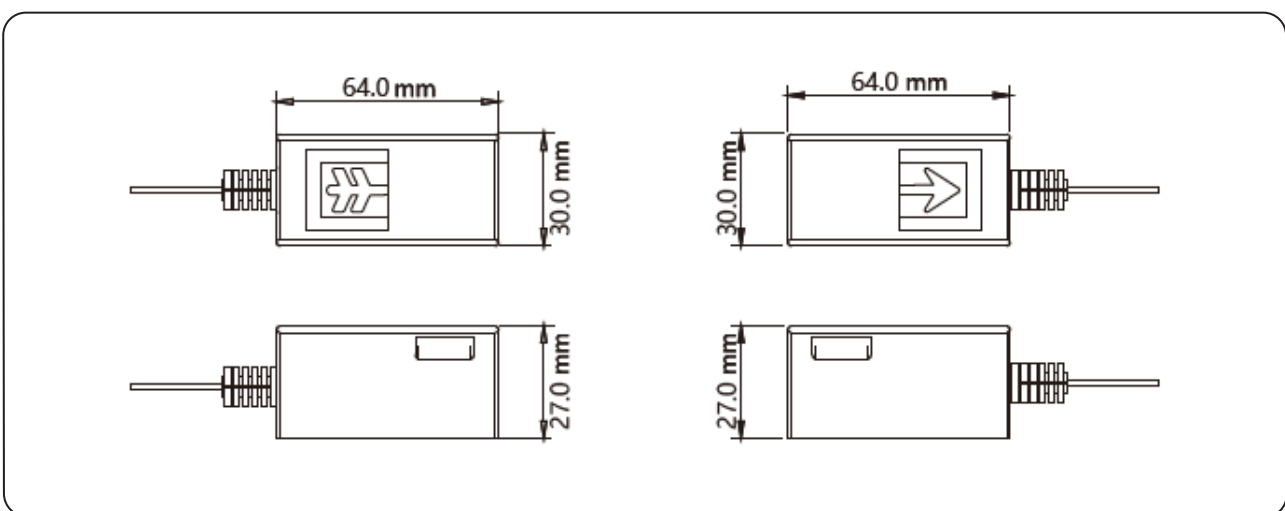
MODEL CODE

GSA-500	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	Specification
		ST					Small pipe / 15A ~ 40A
		MT					Medium Piping / 25A ~ 1200A
				T1			Refer to Specification Table
				T2			Refer to Specification Table
				T3			Refer to Specification Table
						B	BTU Meter With RTD Sensor

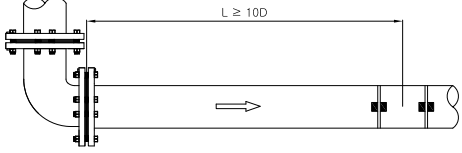
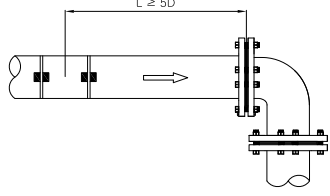
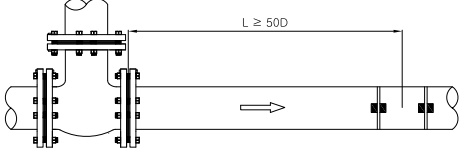
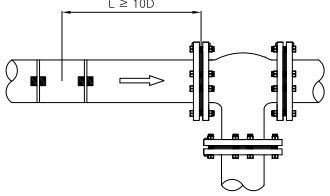
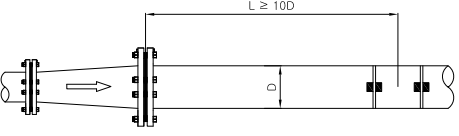
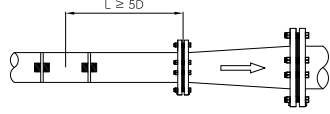
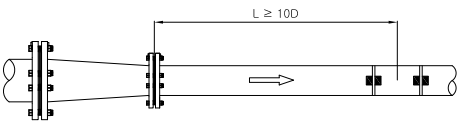
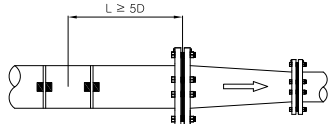
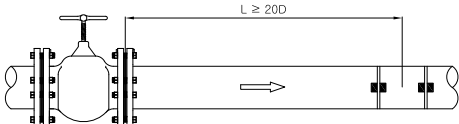
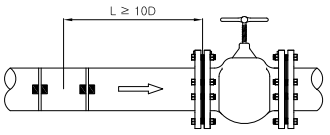
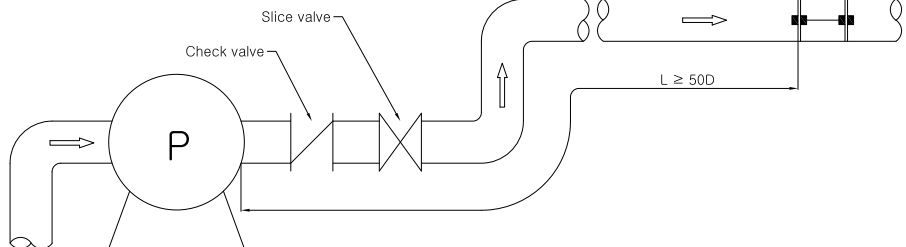
STRUCTURAL DRAWING (Transmitter)



STRUCTURAL DRAWING (Transducer)



PIPING CONFIGURATION AND TRANSDUCER POSITION

Classification	Required upstream length	Required downstream straight length
90° bend		
Tee		
Expansion pipe		
Reducer		
Valve		
Pump		

* D : 배관의 직경