



GSA-250 Series

Ultrasonic Flow meter for
Advanced Sanitation Facilities

■ FEATURE

- Capable of measuring a variety of fluids including water, oil, and chemicals
- Application of ceramic sensor resistant to corrosion and high temperature.
- Flange type or clamp type can be selected
- Capable of measuring fluids with low flow rate and low flow speed
- Low failure rate and no pressure loss thanks to no driving parts present
- Low failure rate due to no moving parts and no pressure loss
- Capable of providing outputs of varied signals outward
- Capable of measuring small to large flow rate

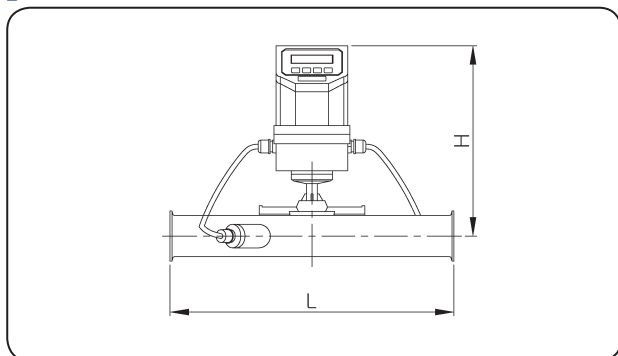
■ APPLICATIONS

- ▶ General application industry
 - Advanced Hygiene Facilities
- ▶ Food and Beverage
 - Precise mixing, dosing and dispensing (Batching)
 - Beverages (soft drinks, beer, wine, fruit juice, etc.)
 - Products with solids content
 - Milk and other dairy products
 - Demi Water ($\geq 20\mu\text{S}/\text{cm}$)
- ▶ Pharmaceutical Industry
 - Processes of drugs, caustic soda, acids, proteins, antibiotics, etc.

■ GSA-250 General Specifications

Size	15A (0.5 S) - 80A (3 S)
Process Connection	Tri- Clamp Ferrule
Fluid	Most of Liquid
Measuring Range	0.005 m ³ /h – 180.0 m ³ /h
Flow Velocity	0.1 m/s – 10 m/s
Accuracy	±1.0 % F.S (Option ±0.5 % F.S)
Fluid Temperature	-40 °C ~ 160 °C
Ambient Temperature	-40 °C ~ 80 °C
Max. Pressure	10 kgf/cm ² .G
Power Supply	DC 24 V
Display	LCD Display (Flowrate, Totalizer, Battery Level etc.)
Output	DC 4-20 mA, NEG/POS/NET Totalizer Pulse Two OCT Output, RS-485

■ STRUCTURAL DRAWING



■ STANDARD MATERIAL

No.	Description	Material
1	Body	304SS
2	Flange	304SS
3	Bolt, Nut	304SS
4	Sensor	Ceramics
5	Indicator	ABS

■ FLOW RANGES & DIMENSIONS

Size		Flow Range		Dimensions (mm)	
		Flow rate (m ³ /h)	Flow rate (m ³ /h)	L	H
15A	1S 1-1/2S	0.063	6.358	200	275
20A		0.113	11.304	200	278
25A		0.176	17.662	250	281
32A	1S 1-1/2S	0.289	28.938	250	284
40A		0.452	45.216	300	287
50A	2S	0.706	70.650	300	290
65A	3S	1.194	119.398	350	300
80A		1.808	180.864	400	310