



GSA-250 Series

Ultrasonic Flow meter with
Superstable Performance

■ 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 industry
 - Nonconductive or viscous liquids and conductive liquids
- ▶ Nuclear Power Industry
 - Cooling water
 - Condensate and boiler feed water
- ▶ Water industry
 - Extraction water inflow & outflow, District Heating, Desalination Facilities, Leak Detection
- ▶ Chemistry and Other process industries
 - All chemical processes (including viscous fluids)

GSA-250 General Specifications

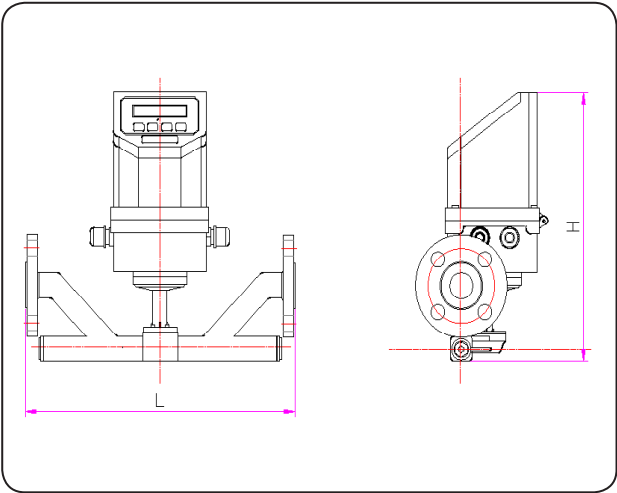
Size	15A (1/2") - 1000A (40")
Process Connection	Flange type - Standard JIS10K RF (Option. KS, ANSI 150#, DIN 16 bar)
Fluid	Most of Liquid
Measuring Range	0.063 m³/h – 28260.0 m³/h
Flow Velocity	0.1 m/s – 10 m/s
Accuracy	±1.0 % F.S (Option ±0.5 % F.S)
Fluid Temperature	-40 °C ~ 160 °C
Ambient Temperature	-40 °C ~ 80 °C
Max. Pressure	10 kgf/㎠.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

STANDARD MATERIAL

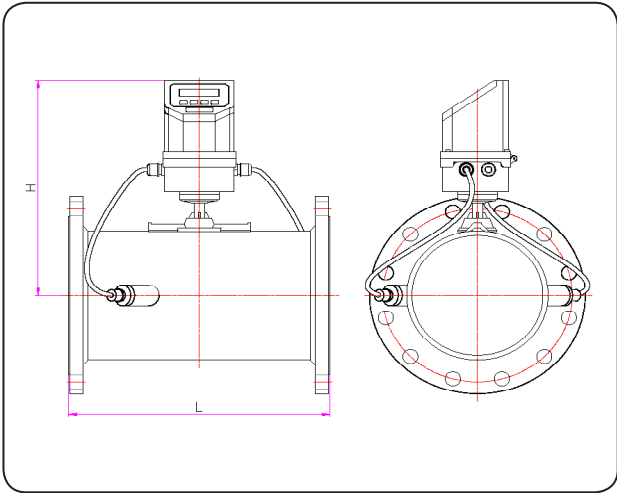
No.	1	2	3	4	5
Description	Body	Flange	Bolt, Nut	Sensor	Indicator
Material	304SS	304SS	304SS	Ceramics	ABS

STRUCTURAL DRAWING

* CONNECTION SIZE (15 ~ 32A)



* CONNECTION SIZE (40 ~ 1000A)



■ FLOW RANGES & DIMENSIONS

Size		Flow Range		Dimensions (mm)	
		Flow rate (m ³ /h)	Flow rate (m ³ /h)	L	H
15A	1/2B	0.063	6.358	320	285
20A	3/4B	0.113	11.304	360	285
25A	1B	0.176	17.662	440	292
32A	1-1/4B	0.289	28.938	450	292
40A	1-1/2B	0.452	45.216	300	275
50A	2B	0.706	70.650	320	281
65A	2-1/2B	1.194	119.398	360	289
80A	3B	1.808	180.864	280	295
100A	4B	2.82	282.60	280	308
125A	5B	4.41	441.56	320	320
150A	6B	6.35	635.85	320	333
200A	8B	11.30	1130.40	380	359
250A	10B	17.66	1766.25	420	384
300A	12B	25.43	2543.40	460	410
350A	14B	34.61	3461.85	500	428
400A	16B	45.21	4521.60	550	454
450A	18B	57.22	5722.65	600	479
500A	20B	70.6	7065.0	650	504
600A	24B	101.7	10173.6	750	555
700A	28B	138.4	13847.4	850	606
800A	32B	180.8	18086.4	950	657
900A	36B	228.9	22890.6	1050	708
1000A	40B	282.6	28260.0	1150	758