

Steam type GF-2500S

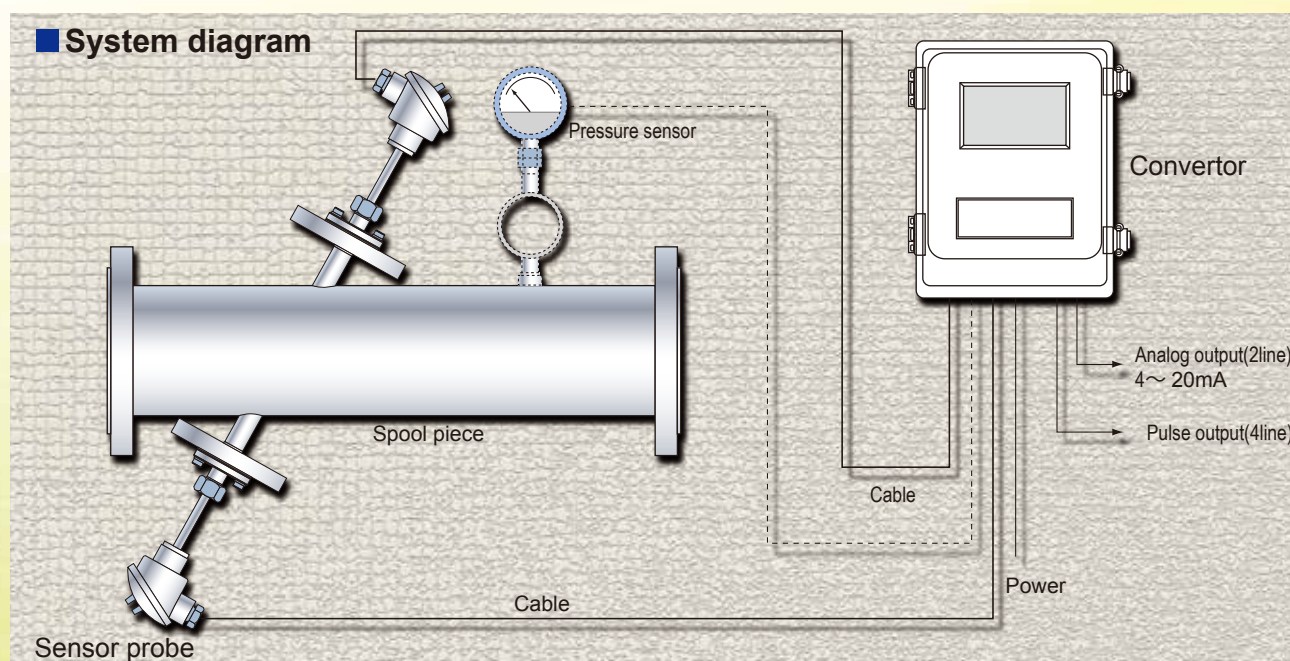
Ultrasonic flowmeter



Sensor probe



- Semi-clamp-on type, non-intrusive flowmeter
- Gas seal unit enables sensor detachment without flow intervention
- Easy upgrade with optional compatible socket for existing spool piece
- No moving parts, low maintenance cost
- No pressure loss



Steam type/GF-2500S

Product

Name	Model	Unit	Weight	Remarks
Convertor	GF-2500	1	8.5kg	
Sensor	TS-701A	2 *	approx. 3kg/unit	
Cable	JCG-06	2 *	0.6 kg/cable	6m
	JCG-10	2 *	0.8 kg/cable	10m

- *1 is 1 chordal path. x2 unit is required for 2 chordal path.
- Existing spool piece need a compatible socket.

Specifications

Pipe

Fluid condition: Steam (saturated)

Applicable pipe diameter: New...50A ~ 400A(*1,3)

Compatible...50A ~ 200A(*1,2)

Spool piece: Pipe diameter...50A ~ 400A(*1, 3)

Flange...JIS10k(*4)

Material...SGP, STPG, SUS304, SUS316, STPY

Sensor socket: JIS 10k 40A FF (spool piece installed type)

JIS 10k 40A FF (compatible socket screw type)

Installation requirement: Upper stream side 15D,

Lower stream side : 5D or more

(D is inner diameter)

*1: Consult sales representative if you have any questions.

*2: Applicable pipe diameter if you use a compatible socket.

*3: Applicable pipe diameter if you manufacture a new spool piece.

*4: Consult sales representative if used any flanges other than JIS10k

Sensor probe

Sensor probe: Applicable temperature... Saturated steam of less than 183.3 °C

Applicable pressure... 1MPa

Seal: Protect pipe... Combine with FTR-70

Cable: Distance from sensor probe to convertor, 6m or 10m(standard)

Compatible socket: In case of existing spool piece

Convertor

General

Measurement method: Ultrasonic transit time method

Measurement accuracy : +/- 1.0%FS(FS flow speed 5 ~ 60m/s)

Reproducibility: +/-0.2%

Resolution of flow speed: less than 0.5mm/sec

Average time : standard 10sec (0.5 ~ 180sec)

Power supply

Power supply: AC100V +/-10%, 50/60 Hz

Power dissipation: Max. 25W

Output

Analog output (2 lines): DC4 ~ 20mA Load resistance : less than 1000Ω

Pulse output (4 lines): Open collector standard 30V, 0.25V

Power supply for pressure sensor: DC24V 0.2A

Digital output: RS422, RS232C

Input

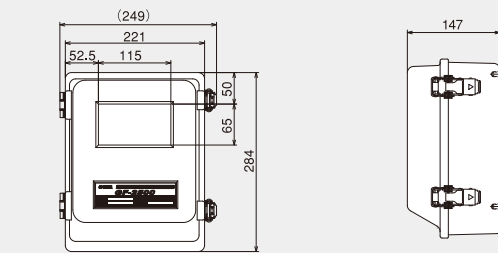
Pressure sensor: DC4 ~ 20mA

Display

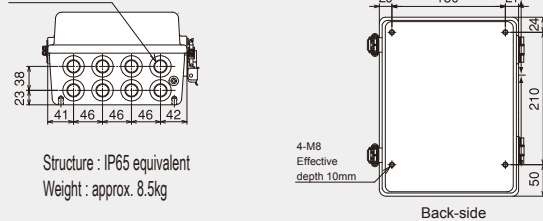
LCD: 128 x 240 dots LED back right

Dimension

Convertor



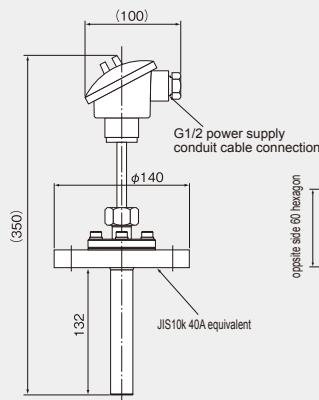
G1/2 (8) Power supply conduit cable connection



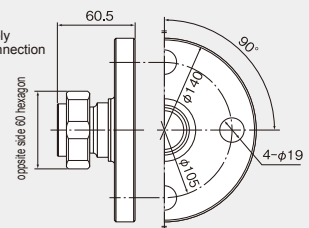
Structure : IP65 equivalent

Weight : approx. 8.5kg

Sensor probe



Compatible Socket



CAUTION FOR SAFETY : Please read surely INSTRUCTION MANUAL before operating.

●Specification is subject to change without prior notice for improvement.



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