

- Accuracy: $\pm 0.003\%$ F.S.
- High brightness 0.4" LED; Rate of display range: 0~9999.
- 2 alarms output / RS-485 communication optional.
- Measuring range: 0.05~0.50 L/min; 0.2~5.0 L/min; 0.6~8.0 L/min.
- Thread connection(1/4" BSP), easily installation.



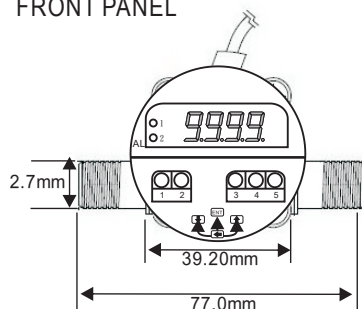
SPECIFICATION

- ◆ Accuracy: 0.003% F.S.
- ◆ Display Screen: High brightness red LED; 10.16mm (0.4")
- ◆ Sampling Cycle: 16 cycles / sec
- ◆ Display Range: -1999~9999
- ◆ Over Range Indication: doFL or -doFL
- ◆ Parameters Setting: Push buttons
- ◆ Exciting Power: DC 15~30V for transmitter
- ◆ Open Collect Output: DC 30V; 30mAdc max.
- ◆ Alarm Action: " $\geq$ (Hi) on" or "< (Lo) on"
- ◆ Alarm Run Delay Time: 0~99 sec
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 9600 / 4800 / 2400 bps
- ◆ Temp. Coefficient: 100ppm / $^{\circ}$ C (0~60 $^{\circ}$ C)
- ◆ Operating Temperature: 0~60 $^{\circ}$ C; 20~90% RH (non-condensing)

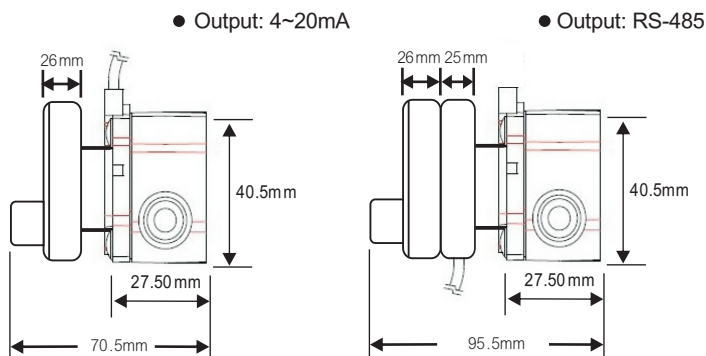
- ◆ Storage Temperature: -10~70 $^{\circ}$ C; 20~90% RH (non-condensing)
- ◆ Material:(Transmitter) Display housing: ABS
- ◆ Accuracy:(sensor) $\pm 5\%$ from scale value
- ◆ Repeatability:(sensor) $\pm 1\%$ from scale value
- ◆ Range:(sensor) 0.05~0.5L/min; 0.2~5.0L/min; 0.6~8.0L/min
- ◆ Sensing Principle: Hall-Effect
- ◆ Max. Operating Pressure: 8 bar
- ◆ Max. O/P Current (at 24V): 8mA
- ◆ Burst Pressure (at 22 $^{\circ}$ C): >30 bar
- ◆ Output Signal:(sensor) Open Collect
- ◆ Operating Temperature: 0~60 $^{\circ}$ C
- ◆ Power Supply:(sensor) 2.4~26VDC
- ◆ Wiring Cable:(sensor) Round cable3x0.14 mm LIYY
- ◆ Protection: IP65 for sensor; IP50 for transmitter

DIMENSION

FRONT PANEL



SIDE VIEW



ORDER INFORMATION

GSFL51 - **Code1** - **Code2** - **Code3**

Code1	Flow Range	Code2	Optional Output	Code3	Wire Length
3400	0.05~0.5 L/min	N	None	5	5M
3200	0.2~5.0 L/min	Y	O.C.x2 &RS-485	10	10M
3000	0.6~8.0 L/min			O	Option

MATERIAL FEATURES

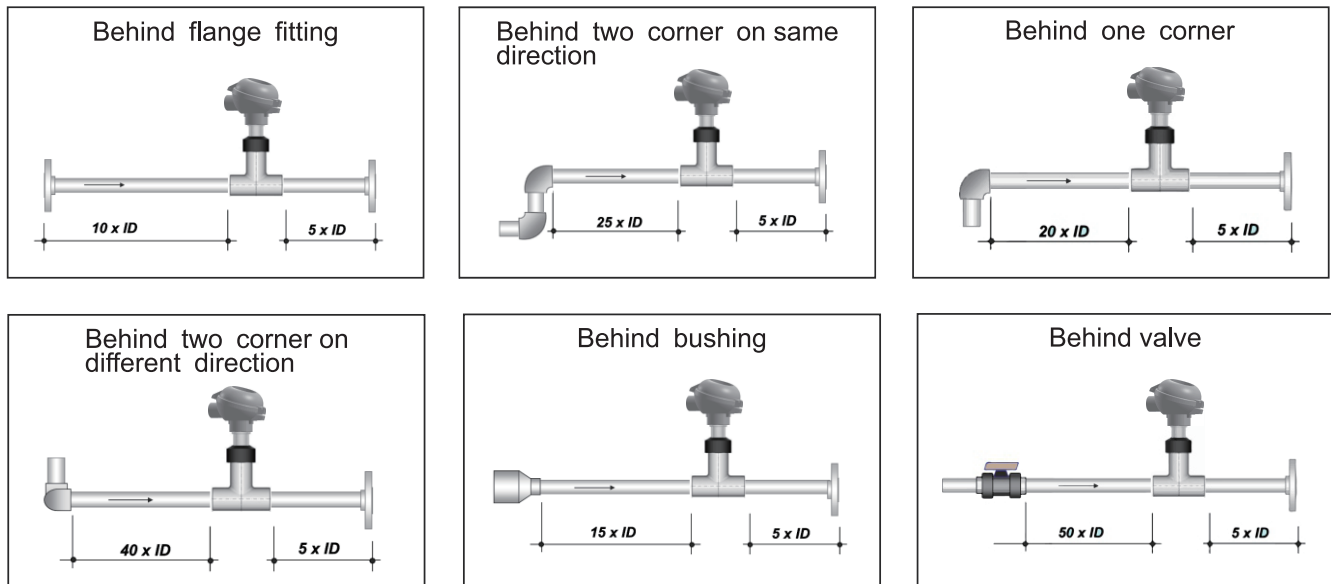
Materials	POM-Version
Housing	Nylon66
Impeller	POM
Stick of Turbine	SUS304
O-Rings	EPDM
Process Connection	1/4" NPT
Monitor	ABS

K FACTOR TABLE

Flow range (L/min)	Pulse per Liter
0.05~0.5 L/min:	1560
0.2~5.0 L/min:	580
0.6~8.0 L/min:	250

INSTALLING NOTE

■ Standard installation diagram according to EN ISO 5167-1 (ID is for inner diameter)



*If can not be suit this situation, please make the calibration of K factor.

■ Installation angle

-Installing in horizontal pipe system

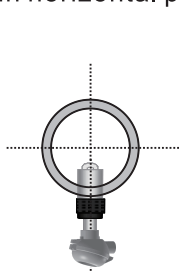


Fig.a

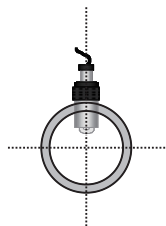


Fig.b

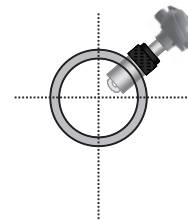


Fig.c

Fig.a: Installation for the pipe without sediment.

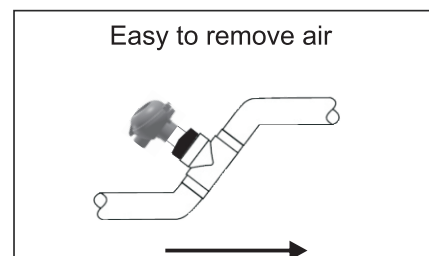
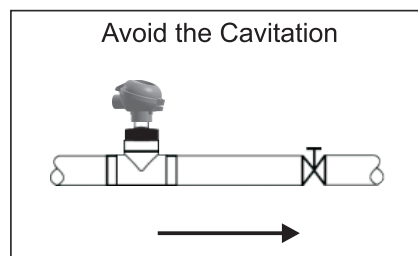
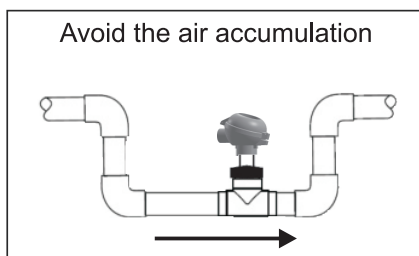
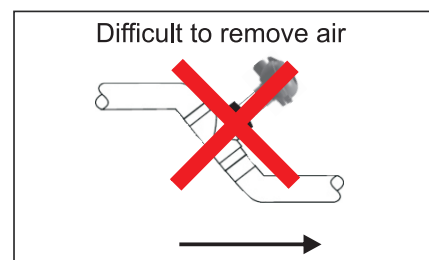
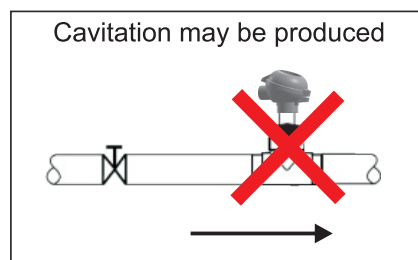
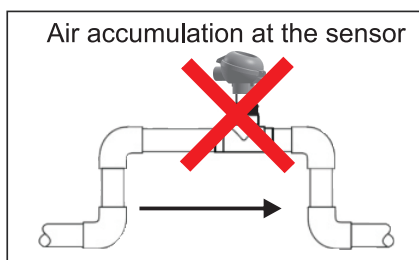
Fig.b: Installation for the pipe without bubble and must be full.

Fig.c: The best installation position can avoid the influences of sediment and bubble.

-Installing in vertical pipe system

It can be installed at any angle, the better installation flow direction is from bottom to top.

■ Installation Precautions

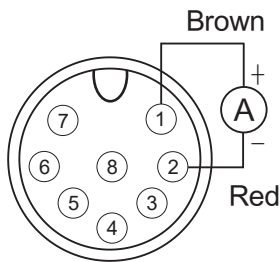


WIRING CONNECTION

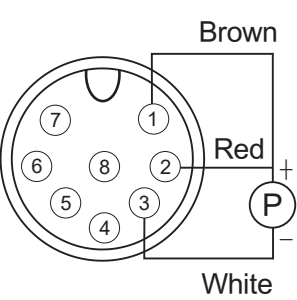
- Output: 4~20mA



- Output: Analog(2W)



- Output: Analog(3W)



- Description

M12 Connector		
PIN	Color	Description
1	Brown	POWER:15~30V
2	Red	OUTPUT:4~20mA
3	White	COMMON
4	Blue	RS-485:D+
5	Green	RS-485:D-
6	Yellow	C1 / E1
7	Purple	C2 / E2
8	Black	Ecom / Ccom

- Output: RS-485

