



TECHNICAL GUIDANCE

WITH ALARM CONTACT FOR HIGH FLOW

FA-6000 Series

FLOW MONITOR

GENERAL

FA-6000 is the new addition to FA series FLOW MONITOR, which have been welcomed by customers.

FA-6000 indicates flow rate of liquids and outputs an alarm contact at freely adjustable setting point.

Newly designed metal supported body construction offers best durability against piping stress.

FEATURES

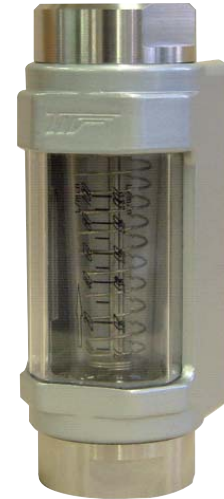
- ❑ COMPACT AND LIGHT DESIGN
FA-6000 is very much suitable for assembling onto equipments and devices due to its compact and light design.
- ❑ DURABLE CONSTRUCTION
Process connection is done through stainless steel fittings which support FA-6000 against piping stress.
- ❑ WATER PROOF CONSTRUCTION
FA-6000 can also be used under splashes of water.
- ❑ QUICK DELIVERY AND COMPETITIVE PRICE
The standardized specification allows reasonable quick delivery time.

RECOMMENDED APPLICATION

- Cooling water line
- Monitoring of leakage of sealing liquids
- Cooling fluids lines in Injection Moulding machines
- Liquid cultivating medium supply
- Others

STANDARD APPLICATION

- Measuring fluid : Water or low viscosity liquids
- Measuring range : 3 to 30L/mim
5 to 50L/mim
8 to 80L/mim
10 to 100L/mim
- Process connection Rc1(Std.),3/4,1/2
- Flow direction Bottom to Top, Left to Right,
Right to Left, Top to Bottom
- Fluid temp. Max. 60°C
*: It is general data, and the maximum temperature may change by terms of use and environment.
- Fluid press. Max. 0.8MPa
- Indication accuracy ±5% of full scale
- Alarm setting accuracy ±5% of full scale (Against flow calibration)
- Alarm setting range 20% to 90% of full scale (H: 50 to 90%,
L: 20 to 50%)
- Alarm reset span Less than 15% of full scale (Against flow calibration)
- Alarm contact Reed switch (Self-holding type)
Compatible with UL standards
- Alarm action High alarm (OPEN,CLOSE)
Low alarm (OPEN,CLOSE)
- Electric connection Reed wire connection



Pressure Loss (kPa)

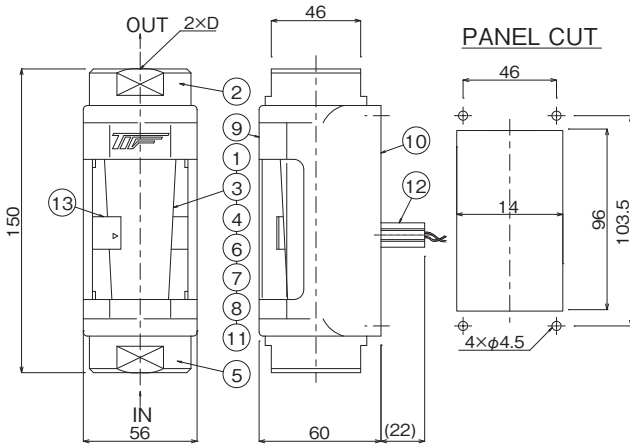
Max. flow (L/min)	Connection size		
	Rc1	Rc3/4	Rc1/2
30	7	9	21
50	19	24	56
80	28	36	117
100	45	71	207

MODEL CODE

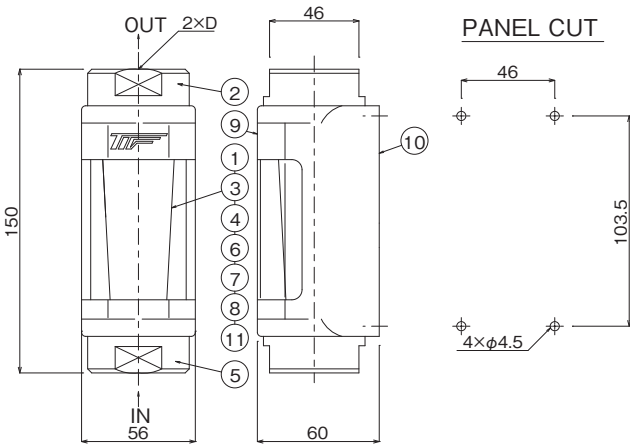
Model code		Description
FA - 6	□ □ □ □ - □ - □ □ □ □ - □	
Measuring range	1	3 ~ 30 L/min
	2	5 ~ 50 L/min
	3	8 ~ 80 L/min
	4	10 ~ 100 L/min
	5	Other special flow range
Process connection	1	Rc1/2
	2	Rc3/4
	3	Rc1
	9	Other special connection
Alarm function	1	High — ON
	2	High — OFF
	3	Low — ON
	4	Low — OFF
	0	No alarm provided
Flow direction	- 1	Bottom to Top
	- 6	Left to Right
	- 7	Right to Left
	- 8	Top to Bottom
Wetted material	- 4	SUS304
Packing material	1	FPM
Reed switch	1	Complying with UL
Alarm set point	- 0	Not specified *
	- Numerals	Set at designated scale

* If alarm set point is not designated, set points will be set as 20% of full scale for low alarm and 90% of full scale for high alarm.

DIMENSION AND MATERIAL



NO.	PARTS DESCRIPTION	MATERIAL
1	Float	○ PPS/Mg
2	Fittings	○ SUS304
3	Float stopper	○ SUS304
4	Float rod	○ SUS316
5	Body	SCS14
6	Stopper	○ FPM
7	Spring	○ SUS316 WP
8	Tapered tube	○ Acryl
9	Front cover	P.C
10	Read cover	ABS
11	O-ring	○ FPM
12	Read switch	PPO
13	Switch holder	ABS



CAUTION FOR USE

- Magnet Straightener**
 A magnet is moulded in the float and in case ferrous powders are involved in the fluid, smooth movement of float will not be obtained.
 It is recommended to install a Magnet Straightener in upstream of the line to eliminate the ferrous contents.

* Specification is subject to change without notice.

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