

Turbine flow meter **FS-S**

Alarm output

Analog output

LCD display 3-color LED



*Descriptions are based on Japanese Industrial Standards (JIS)

Specifications			
Model	FS-3S	FS-10S	FS-30S
Flow range	0.5-3 L/min	1.5-10 L/min	5-30 L/min
Fluid	Industrial water, water		
Maximum working pressure	0.97 MPa		
Flow temperature	0-60C° (No freezing)		
Ambient temperature	0-40C°		
Power supply	DC 12 V \pm 5% or DC 24 V \pm 10%		
Current consumption	Max. 20 mA (voltage output), Max. 40mA (current output)		
Cable	AWM20276, 6 core / 0.2 mm ϕ / 500 mm		
	red	Power supply	
	black	Ground	
	white	Analog output	
	yellow	Alarm output (OFF output)	
	brown	Alarm output (ON output)	
	green	Alarm output common wire	
Analog output	DC 0-10 V (voltage output) or 4-20 mA (current output)		
Alarm output	Max. DC 40 V, 100 mA, open collector ON/OFF output		
Display	LCD, LED		
O ring	Chloroprene or fluoro rubber		
Wetted material	POM, polyamide		
Adapter size	Rc 3/8" or Rc 1/2"		
Adapter material	Stainless steel or brass with nickel plating		
Accuracy	FS \pm 2.5%		
Flow direction	Free		
Positioning	Free		
Weight	380 g		
Protection	Weather resistant electronics		

Order form

■ ISO screw(Rc) is used.

Flow range Output Wetted Materials Adapter Materials Adapter size (ISO) O ring Power supply

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How to order : FS-10S-0-J-B-3/8-F-24

	Flow range	Output	Wetted Materials	Adapter Materials	Adapter size	O ring	Power supply
FS-S type	3S 0.5~3 ℓ/min	0 0~10V	J Standard (Polyacetal)	B Standard (BsBM+Ni plating)	3/8 Standard	F Chloroprene rubber	24 DC24V±10%
	10S 1.5~10 ℓ/min	4 4~20mA	B 150°C-compatible (SUS304·316)	S SUS	1/2 *	V Fluoro rubber	12 DC12V±5%
	30S 5~30 ℓ/min		T fluorine resin		1/4 Only on 150°C-compatible bodies		
FS-AR type	3AR 0.5~3 ℓ/min	0 0~10V	J Standard (Polyacetal)	B Standard (BsBM+Ni plating)	3/8 Standard	F Chloroprene rubber	24 DC24V±10%
	10AR 1.5~10 ℓ/min	1 1~5V	B 150°C-compatible (SUS304·316)	S SUS	1/2 *	V Fluoro rubber	12 DC12V±5%
	30AR 5~30 ℓ/min	4 4~20mA P Puls Output	T fluorine resin		1/4 Only on 150°C-compatible bodies		
FS-C type	3C 0.5~3 ℓ/min	0 0~10V	J Standard (Polyacetal)	B Standard (BsBM+Ni plating)	3/8 Standard	F Chloroprene rubber	24 DC24V±10%
	10C 1.5~10 ℓ/min			S SUS	1/2	V Fluoro rubber	
	30C 5~30 ℓ/min						
FS-N type	3N 0.5~3 ℓ/min	P Pulse Output	J Standard (Polyacetal)	B Standard (BsBM+Ni plating)	3/8 Standard	F Chloroprene rubber	24 DC24V±10%
	10N 1.5~10 ℓ/min		B 150°C-compatible (SUS304·316)	S SUS	1/2 *	V Fluoro rubber	12 DC12V±5%
	30N 5~30 ℓ/min		T fluorine resin		1/4 Only on 150°C-compatible bodies		

Regarding <Adapter size>

The diameter type of the connection section differs depending on the type of body material. Please refer to the table below when filling out your order form.

Wetted Materials	Connection diameter		
	3/8	1/2	1/4
Standard type(J)	●	●	—
150°C/Compliant(B)	●	●	●
fluorine resin type(T)	●	—	—

Regarding <Adapter size> Regarding <Adapter material/O-ring>

- When selecting "B: 150°C-compatible" as the body material, do not fill in the adapter material and O-ring fields.
- When selecting "T: Fluororesin" as the body material, do not fill in the O-ring field. We also offer products in which the adapter material is fluoro-resin. Please contact our sales department for details.

* 1/4 diameter cannot be selected for 30L specification.

Other

- ① Please contact our sales department for other specifications.
- ② Please contact our sales department for inquires regarding date of delivery, etc.
- ③ Shape and specification may change without notice due to performance improvements.