

Flowmeter FS Series FS-S

Characteristics

Impeller flow meter

- Over 100,000 units supplied for use as device coolant-water monitors to leading manufacturers of semiconductor/liquid crystal product devices worldwide.
- Alarm output
- Analog output
- Digital display



Electrical wiring

○AWM20276, 6 cores/0.2mm² having 500mm length of unprocessed terminals using by cables.

- Red ...Power supply(DC 12V±5%, DC 24V±10%)
- Black ...GND
- White ...Analog output
- Yellow ...Alarm output(OFF output)
- Brown ...Alarm output(ON output)
- Green ...Alarm output cable commonly used

Specifications

Model	FS-3S	FS-10S	FS-30S
Flow range	0.5~3 l / min	1.5~10 l / min	5~30 l / min
Power supply	DC 12V±5% or DC 24V±10%		
Current consumption	MAX 20mA(voltage output)MAX 40mA(current output)		
Cable	AWM20276, 6 cores/0.2mm ² /500mm		
Analog output	DC 0 ~ 10V(voltage output) or 4 ~ 20mA(current output)		
Alarm output	MAX DC 40V · 100mA/2 outputs of open collector ON/OFF		
Display	LCD		
Accuracy	±2.5%(FS)		
Direction of flow	Free		

Order form

■ ISO screw(Rc) is used.

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

FS- - - - - - -

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		

	Flow range	Output	Wetted Materials	Adapter Materials	Adapter size	O ring	Power supply
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		

	Flow range	Output	Wetted Materials	Adapter Materials	Adapter size	O ring	Power supply
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						
	30C 5~30 ℓ/min						

	Flow range	Output	Wetted Materials	Adapter Materials	Adapter size	O ring	Power supply
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						
	30N 5~30 ℓ/min						

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.