

Admag AXF

Magnetiska flödesmätare för inspänning från Yokogawa

Admag AXF magnetiska flödesmätare klarar att mäta de flesta fluider som har en konduktivitet från 1 uS/cm. Detta tack vare den nya förbättrade dubbel magnetiseringen. Den är idealisk i krävande applikationer så som snabba batcher, hög fiberkoncentration, krav på hög mätnoggrannhet samt korrosiva vätskor.

Enkel

- Korta raksträckor
- Keramisk, PFA eller gummi-inklädnad (lining)
- Flertal olika elektrodmaterial
- Inbyggda jordringar
- 1 analog utsignal samt upp till 6 digitala in eller utsignaler

Ekonomisk

- Integrerat eller separerat utförande
- Enkelt montage därmed låg installationskostnad
- Storlekar DN 2,5 – DN 350
- Inbyggd larmfunktion för beläggning på elektroder

Noggrannhet

- Onoggrannheten är som standard 0.35 % av aktuellt flöde
- Option 0.2 % av aktuellt flöde



MODEL AND SUFFIX CODE

AXF STANDARD (Wafer Type)

General-purpose Use/Submersible Style/Explosion proof Style, PFA/Polyurethane Rubber/Natural Soft Rubber/EPDM Rubber Lining

Model	Suffix Code	Description	Applicable Model
AXF002		Size 2.5 mm (0.1 in) Integral Flowmeter/Remote Flowtube	
AXF005		Size 5 mm (0.2 in) Integral Flowmeter/Remote Flowtube	
AXF010		Size 10 mm (0.4 in) Integral Flowmeter/Remote Flowtube	
AXF015		Size 15 mm (0.5 in) Integral Flowmeter/Remote Flowtube	
AXF025		Size 25 mm (1.0 in) Integral Flowmeter/Remote Flowtube	
AXF032		Size 32 mm (1.25 in) Integral Flowmeter/Remote Flowtube	
AXF040		Size 40 mm (1.5 in) Integral Flowmeter/Remote Flowtube	
AXF050		Size 50 mm (2.0 in) Integral Flowmeter/Remote Flowtube	
AXF065		Size 65 mm (2.5 in) Integral Flowmeter/Remote Flowtube	
AXF080		Size 80 mm (3.0 in) Integral Flowmeter/Remote Flowtube	
AXF100		Size 100 mm (4.0 in) Integral Flowmeter/Remote Flowtube	
AXF125		Size 125 mm (5.0 in) Integral Flowmeter/Remote Flowtube	
AXF150		Size 150 mm (6.0 in) Integral Flowmeter/Remote Flowtube	
AXF200		Size 200 mm (8.0 in) Integral Flowmeter/Remote Flowtube	
AXF250		Size 250 mm (10 in) Integral Flowmeter/Remote Flowtube	
AXF300		Size 300 mm (12 in) Integral Flowmeter/Remote Flowtube	
Use	G	General-Purpose Use	Size 15 mm (0.5 in) to 300 mm (12 in) Remote Flowtube only. (*6) Fluorocarbon PFA lining only
	W	Submersible style	
	C	Explosion proof style (*5) (*7) (*8)	
Converter Output Signal and Communication	-D	Integral Flowmeter with 4 to 20mA DC Output and BRAIN Communication	
	-E	Integral Flowmeter with 4 to 20 mA DC Output and HART Communication	
	-F	Integral Flowmeter with FOUNDATION Fieldbus communication (*9)	
	-G	Integral Flowmeter with PROFIBUS PA communication (*10)	
	-N	Remote Flowtube for Combined use with AXFA11	
Power Supply	1	Integral Flowmeter, 100 V to 240 V AC or 100 to 120 V DC	
	2	Integral Flowmeter, 24V AC/DC	
	N	Remote Flowtube	
Lining (*6)	A	Fluorocarbon PFA	Size 25 mm (1.0 in) to 300 mm (12 in) Size 50 mm (2.0 in) to 300 mm (12 in) Size 50 mm (2.0 in) to 300 mm (12 in)
	U	Polyurethane Rubber	
	D	Natural Soft Rubber	
	G	EPDM Rubber	
Electrode Material (*6)	L	JIS SUS316L (AISI 316L SS/EN 1.4404 Equivalent)	Fluorocarbon PFA lining only Fluorocarbon PFA lining only
	P	Platinum-iridium	
	H	Hastelloy C276 Equivalent	
	T	Tantalum	
	V	Titanium	
	W	Tungsten Carbide	
Electrode Structure	1	Non-replaceable	General-Purpose use, Size 25 mm (1.0 in) to 300 mm (12 in) Electrode Material: JIS SUS316L only
	2	Replaceable	
Grounding Ring and Grounding Electrode Material (*6)	N	None	Size 2.5 mm (0.1 in) to 200 mm (8.0 in) Fluorocarbon PFA lining only Size 2.5 mm (0.1 in) to 200 mm (8.0 in), Fluorocarbon PFA lining only
	L	JIS SUS316L (AISI 316L SS/EN 1.4404 Equivalent)	
	P	Platinum-iridium	
	H	Hastelloy C276 Equivalent	
	T	Tantalum	
	V	Titanium	
Process Connection (*3)	-AA1	ANSI Class 150 Wafer (*1)	Size 2.5 mm (0.1 in) to 300 mm (12 in) Size 2.5 mm (0.1 in) to 200 mm (8 in) Size 200 mm (8 in) to 300 mm (12 in) Size 65 mm (2.5 in) to 300 mm (12 in) Size 2.5 mm (0.1in) to 50 mm (2.0 in)
	-AA2	ANSI Class 300 Wafer (*1)	
	-AD1	DIN PN 10 Wafer (*2)	
	-AD2	DIN PN 16 Wafer (*2)	
	-AD4	DIN PN 40 Wafer (*1)(*2)	
Lay Length	1	Standard	
Electrical Connection (Wiring port thread) (*8)	-0	JIS G1/2 female	mandatory for W-style not available for G- and C-style
	-2	ANSI 1/2 NPT female	
	-4	ISO M20x1.5 female	
Indicator (*4)	1	Integral Flowmeter with indicator (Horizontal)	
	2	Integral Flowmeter with indicator (Vertical)	
	N	Integral Flowmeter without indicator /Remote Flowtube	
Calibration	B	Standard (accuracy 0.35% of rate)	Size 25 mm (1.0 in) to 200 mm (8.0 in), Fluorocarbon PFA lining only
	C	High Grade (accuracy 0.2% of rate)	
	/ ■	Optional code (See the Table of Optional Specifications)	

*1: For a wafer style of 2.5 to 10 mm (0.1 to 0.4 in), prepare 15 mm (0.5 in) diameter nominal flanges on the process pipe side.
(Process connection codes: AA1, AA2, AD4)

*2: Even when DIN PN10 or 16 is required for a model of size 2.5 to 50 mm (0.1 to 2.0 in), select PN40 because there is no difference in the dimensions of the mating faces. (Process connection codes: AD1, AD2 and AD4)
Even when DIN PN10 is required for a model of size 65 to 150 mm (2.5 to 6.0 in), select PN16 because there is no difference in the dimensions of the mating faces. (Process connection codes: AD1, AD2)

*3: Mating dimensions are based on standards as follows:
ANSI: ASME B 16.5, DIN: DIN 2501

*4: N shall be always selected for remote flowtubes
In the case of an integral flowmeter, select from among the figures at the right



*5: For explosion proof types specify type of explosion proof certification using the optional code

*6: The use of inappropriate materials can result in the leakage of corrosive process fluids and cause injury to personal and / or damage to plant facilities.

It is also possible that the instrument itself can be damaged and that fragments from the instrument can contaminate the user's process fluid.
Be very careful with highly corrosive process fluids such as hydrochloric acid, sulfuric acid, hydrogen sulfide, sodium hydrochloride and high temperature steam (150 °C (300 °F) or above). Contact Yokogawa for detailed information of the wetted parts material.

*7: Provided with 30 m of cable. If different cable length is required please order option code /L*** in increments of 5m (e.g. L005, L010...)

*8: ANSI 1/2NPT and ISO M20x1.5 electrical connections are available for ATEX, FM or CSA explosion proof style

*9: For FOUNDATION Fieldbus, refer to GS 01E20F02-01E.

*10: For PROFIBUS PA, refer to GS 01E20F12-01E.