# Admag AXF

**Magnetiska flödesmätare i flänsat utförande 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 eller 2 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 400
- Inbyggd larmfunktion för beläggning på elektroder

**Noggrannhet**

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

OmniProcess AB
Vretenvägen 12, 171 54 Solna, 08-564 808 40
www.omniprocess.se

# AXF STANDARD (Flange Type) Size 2.5 to 400 mm (0.1 to 16 in)

## 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 | |
| AXF350 | | Size 350 mm (14 in) Integral Flowmeter/Remote Flowtube | |
| AXF400 | | Size 400 mm (16 in) Integral Flowmeter/Remote Flowtube | |
| Use | G | General-Purpose Use | |
| | W | Submersible style (*7) | Size 15 mm (0.5 in) to 400 mm (16 in), Remote Flowtube only. |
| | C | Explosion proof style (*6) (*8) | Fluorocarbon PFA lining only |
| Converter Output Signal and Communication | -D | Integral Flowmeter with 4 to 20 mA 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 (*10) | |
| | -G | Integral Flowmeter with PROFIBUS PA communication (*11) | |
| | -N | Remote Flowtube for Combined use with AXFA11 | |
| | -P | Remote Flowtube for Combined use with AXFA14 | |
| Power Supply | 1 | Integral Flowmeter, 100 V to 240 V AC or 100 to 120 V DC | |
| | 2 | Integral Flowmeter, 24 V AC/DC | |
| | N | Remote Flowtube | |
| Lining (*9) | A | Fluorocarbon PFA | |
| | U | Polyurethane Rubber | Size 25 mm (1.0 in) to 400 mm (16 in) |
| | D | Natural Soft Rubber | Size 50 mm (2.0 in) to 400 mm (16 in) |
| | G | EPDM Rubber | Size 50 mm (2.0 in) to 400 mm (16 in) |
| Electrode Material (*9) | L | JIS SUS316L (AISI 316L SS/EN 1.4404 Equivalent) | |
| | P | Platinum-Iridium | Fluorocarbon PFA lining only |
| | H | Hastelloy C276 Equivalent | |
| | T | Tantalum | Fluorocarbon PFA lining only |
| | V | Titanium | |
| | W | Tungsten Carbide | |
| Electrode Structure | 1 | Non-replaceable | |
| | 2 | Replaceable | General-Purpose use, Size 25 mm (1.0 in) to 400 mm (16 in) Electrode Material: JIS SUS316L only |
| Grounding Ring and Grounding Electrode Material (*9) | N | None | |
| | L | JIS SUS316L (AISI 316L SS/EN 1.4404 Equivalent) | |
| | P | Platinum-iridium | Size 2.5 mm (0.1 in) to 200 mm (8.0 in), Fluorocarbon PFA lining only |
| | H | Hastelloy C276 Equivalent | |
| | T | Tantalum | Size 2.5mm (0.1 in) to 200 mm (8.0 in), Fluorocarbon PFA lining only |
| | V | Titanium | |
| Process Connection (*4) | -BA1 | ANSI Class 150 Flange (Stainless Steel)(*1) | Size 2.5 mm (0.1 in) to 400 mm (16 in) |
| | -BA2 | ANSI Class 300 Flange (Stainless Steel)(*1) | Size 2.5 mm (0.1 in) to 300 mm (12 in) |
| | -BD1 | DIN PN 10 Flange (Stainless Steel)(*2) | Size 200 mm (8.0 in) to 400 mm (16 in) |
| | -BD2 | DIN PN 16 Flange (Stainless Steel)(*2) | Size 65 mm (2.5 in) to 300 mm (12 in) |
| | -BD4 | DIN PN 40 Flange (Stainless Steel)(*1)(*2) | Size 2.5 mm (0.1 in) to 50 mm (2.0 in) |
| | -CA1 | ANSI Class 150 Flange (Carbon Steel) | Size 50 mm (2 in) to 400 mm (16 in) |
| | -CA2 | ANSI Class 300 Flange (Carbon Steel) | Size 50 mm (2 in) to 300 mm (12 in) |
| | -CD1 | DIN PN 10 Flange (Carbon Steel)(*2) | Size 200 mm (8.0 in) to 400 mm (16 in) |
| | -CD2 | DIN PN 16 Flange (Carbon Steel)(*2) | Size 65 mm (2.5 in) to 300 mm (12 in) |
| | -CD4 | DIN PN 40 Flange (Carbon Steel)(*2) | Size 50 mm (2.0 in) only |
| | -DD4 | DIN PN 40 Flange (Stainless Steel), DN10(*2)(*3) | Size 2.5 mm (0.1 in) to 10 mm (0.4 in) |
| Lay Length | 1 | Standard | |
| Electrical Connection (wiring port thread) (*6) | -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 (*5) | 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) | |
| | C | High Grade (accuracy 0.2 % of rate) | Size 25 mm (1.0 in) to 200 mm (8.0 in), Fluorocarbon PFA lining only |
| | / ■ | Optional code (See the Table of Optional Specifications) | |

*1: For a flange 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: BA1, BA2, BD4, BJ1, and BJ2).
*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: BD1, BD2, BD4, CD1, CD2, CD4 and DD4)
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: BD1, BD2, CD1 and CD2)
*3: For a flange type of 2.5 to 10 mm (0.1 to 0.4 in), prepare 10 mm (0.4 in) diameter nominal flanges on the process pipe side. (Process connection codes: DJ1, DJ2, and DD4).
*4: Mating dimensions are based on standards as follow: ANSI: ASME B 16.5, DIN: DIN 2501
*5: N shall be always selected for remote flowtubes.
In the case of an integral flowmeter, select from among the figures at the right:


*6: ANSI 1/2NPT and ISO M20x1.5 electrical connections are available for ATEX, FM or CSA explosion proof style
*7: Provided with 30 m of cable. if different cable length is required please order option code /L*** in increments of 5 m (e.g. L005, L010...)
*8: For explosion proof types specify type of explosion proof certification using the optional code
*9: The use of inappropriate materials can result 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 hydrochlorite and high temperature steam (150 °C (300 °F) or above). Contact Yokogawa for detailed information of the wetted parts material.
*10: For FOUNDATION Fieldbus, refer to GS 01E20F02-01E.
*11: For PROFIBUS PA, refer to GS 01E20F12-01.