Drawings

AXF025, AXF032, AXF040, AXF050
AXF Integral Flowmeter/Remote Flowtube
AXF Standard (JIS Flange)
Fluorocarbon PFA/Polyurethane Rubber/Natural Soft Rubber/EPDM Rubber Lining

ADMAG AXF™

Integral Flowmeter **Remote Flowtube** **Integral Flowmeter** **Remote Flowtube**

Unit : mm
(approx. inch)

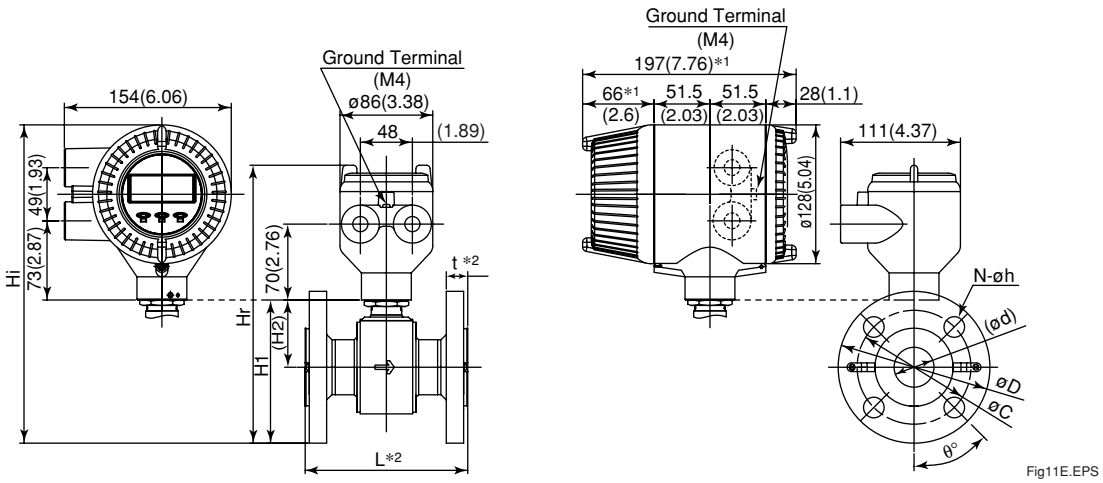


Fig11E.EPS

*No infla-red switches are furnished for Fieldbus communication type.

Model code:

AXF025 AXF032 AXF040 AXF050	G W C	—	D*5 E F G N P	1 2 N	A U D G	□	1 2	□	—	B B C C P	J J J J J	1 2 1 2 1	1						

*5: D, E, F, G; Integral Flowmeter, N, P: Remote Flowtube

Model	Process Connection		BJ1 (JIS10K)			BJ1/CJ1 (JIS10K)	PJ1 (JIS10K)			BJ2 (JIS20K)			BJ2/CJ2 (JIS20K)
	Size code		025	032	040	050	025	040	050	025	032	040	050
	Size		25 (1)	32 (1.25)	40 (1.5)	50 (2)	25 (1)	40 (1.5)	50 (2)	25 (1)	32 (1.25)	40 (1.5)	50 (2)
	Lining code		A,U	A,U	A,U	A,U D,G	A	A	A	A,U	A,U	A,U	A,U D,G
Remote Flowtube / Integral Flowmeter	Face-to-face length	L $^{0}_{-3}$ *2	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)
	Outside dia.	øD	125 (4.92)	135 (5.31)	140 (5.51)	155 (6.10)	125 (4.92)	140 (5.51)	155 (6.10)	125 (4.92)	135 (5.31)	140 (5.51)	155 (6.10)
	Thickness	t*2	18 (0.71)	20 (0.79)	20 (0.79)	20 (0.79)	18 (0.71)	20 (0.79)	20 (0.79)	20 (0.79)	22 (0.87)	22 (0.87)	22 (0.87)
	Inner diameter of Grounding ring	ød	28 (1.10)	34 (1.34)	41 (1.61)	53 (2.09)	28 (1.10)	41 (1.61)	53 (2.09)	28 (1.10)	34 (1.34)	41 (1.61)	53 (2.09)
	Pitch circle dia.	øC	90 (3.54)	100 (3.94)	105 (4.13)	120 (4.72)	90 (3.54)	105 (4.13)	120 (4.72)	90 (3.54)	100 (3.94)	105 (4.13)	120 (4.72)
	Bolt hole interval	θ°	45	45	45	45	45	45	45	45	45	45	22.5
	Hole dia.	øh	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)
	Number of holes	N	4	4	4	4	4	4	4	4	4	4	8
	Height	H1	120 (4.74)	129 (5.08)	138 (5.43)	157 (6.16)	120 (4.74)	138 (5.43)	157 (6.16)	120 (4.74)	129 (5.08)	138 (5.43)	157 (6.16)
	Height	H2	58 (2.28)	61 (2.40)	68 (2.67)	79 (3.11)	58 (2.28)	68 (2.67)	79 (3.11)	58 (2.28)	61 (2.40)	68 (2.67)	79 (3.11)
Remote Flowtube	Max. Height	Hr	244 (9.62)	253 (9.96)	262 (10.31)	281 (11.04)	244 (9.62)	262 (10.31)	281 (11.04)	244 (9.62)	253 (9.96)	262 (10.31)	281 (11.04)
	Weight kg (lb)*3		4.4 (9.8)	5.3 (11.7)	5.7 (12.6)	6.8 (14.9)	4.4 (9.8)	5.7 (12.6)	6.8 (14.9)	4.8 (10.5)	5.7 (12.6)	6.2 (13.6)	7.0 (15.4)
Integral Flowmeter	Max. Height	Hi	282 (11.09)	291 (11.46)	299 (11.79)	318 (12.52)	282 (11.09)	299 (11.79)	318 (12.52)	282 (11.09)	291 (11.46)	299 (11.79)	318 (12.52)
	Weight kg (lb)		6.1 (13.5)	7.0 (15.5)	7.4 (16.4)	8.5 (18.6)	6.1 (13.5)	7.4 (16.4)	8.5 (18.6)	6.5 (14.3)	7.4 (16.4)	7.9 (17.4)	8.7 (19.1)

TD11E.EPS

Lining code : A; Fluorocarbon PFA, U; Polyurethane Rubber
D; Natural Soft Rubber, G; EPDM Rubber

* When option code RA, RB, or RC is selected, the direction of electrical connection change as below.

	Standard	+90-degree rotation RA	+180-degree rotation RB	-90-degree rotation RC
Integral Flowmeter				
Remote Flowtube				

F19-1E.EPS

*1: When indicator code N is selected, subtract 12 mm (0.47 inch) from the value in the figure.
In case of explosion proof type with indicator, add 5 mm (0.2 inch) to it.

*2: Depending on the selection of grounding ring code and optional code, add the following value to "L" (face-to-face length) and "t" (thickness of flange).

		L	t	L	t	L	t
Grounding Ring Code		S, L, H, V		P, T		N	
Option Code	None	+0	+0	+26(1.02)	+13(0.51)	-2(0.08)	-1(0.04)
	GA, GC, GD (Special Gaskets)	+8(0.31)	+4(0.16)	+30(1.18)	+15(0.59)	–	–

*3: When submersible type or option code DHC is selected, waterproof glands and a 30 m long cable are attached.
Add 9.5 kg (20.9 lb) to the weight in the table.

Unless otherwise specified, difference in the dimensions are specified as : General tolerance = ± (Criteria of tolerance class IT18 in JIS B0401) / 2

Integral Flowmeter

BRAIN/HART Communication Type

Terminal configuration

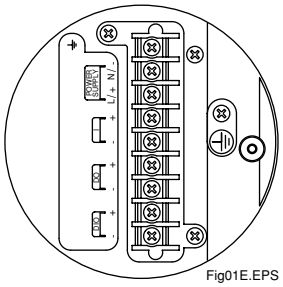


Fig01E.EPS

Terminal wiring

Teminal Symbols	Description
⏚	Functional grounding
N/- L/+	Power supply
I+ I-	Current output 4 to 20mA DC
DO+ DO-	Pulse output/Alarm output/ Status output
DIO+ DIO-	Alarm output/Status output Status input
⏚	Protective grounding (Outside of the terminal)

Fig01-2E.EPS

FOUNDATION Fieldbus/PROFIBUS PA Communication type

Terminal configuration

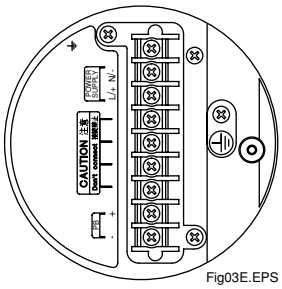


Fig03E.EPS

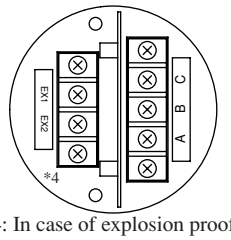
Terminal wiring

Teminal Symbols	Description
⏚	Functional grounding
N/- L/+	Power supply
FB+ FB-	Fieldbus communication signal
⏚	Protective grounding (Outside of the terminal)

Fig01-3E.EPS

Remote Flowtube

Terminal configuration



Terminal wiring

Teminal Symbols	Description
A B C	Flow signal output
EX1 EX2	Excitation current input
⏚	Protective grounding (Outside of the terminal)

*4: In case of explosion proof type, ⏚ (functional grounding terminal) is added.

Fig02E.EPS