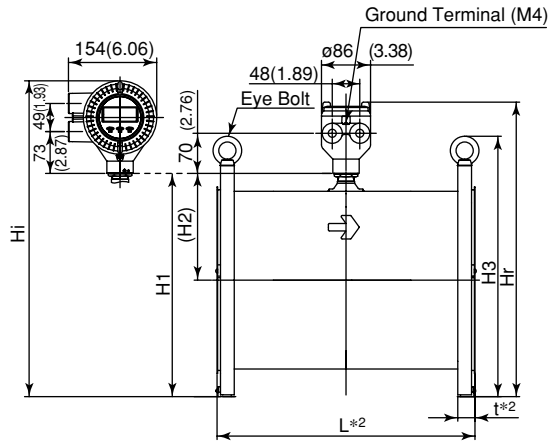
Drawings

AXF250, AXF300, AXF350, AXF400
AXF Integral Flowmeter/Remote Flowtube
AXF Standard (DIN/AS Flange)
Fluorocarbon PFA/Polyurethane Rubber/Natural Soft Rubber/EPDM Rubber Lining

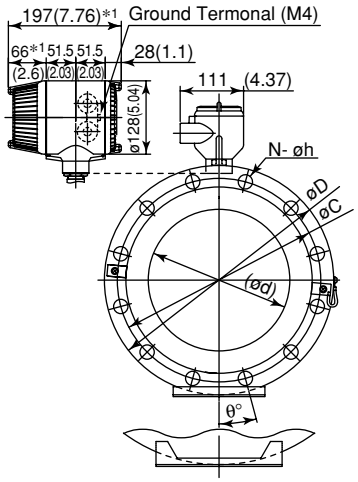
ADMAG AXF™

Integral Flowmeter Remote Flowtube



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

Integral Flowmeter Remote Flowtube



for AXF300, AXF350, AXF400

Fig14E.EPS

Unit : mm
(approx. inch)

Model code:

AXF250	G	D*5	1	A	□	1	□	—	B D 1
AXF300	W	E	2	U		2			B D 2
AXF350	—	F	N	D					C D 1
AXF400	C	G		G					C D 2
		N							C S 1
		P							C S 2
									P D 1
									P D 2

1

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

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

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

*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).

Nominal Size	250 mm to 300 mm				350 mm to 400 mm			
	L	t	L	t	L	t	L	t
Grounding Ring Code	S, L, H, V		N		S, L, H, V		N	
Option Code is "None"	+0	+0	-6(0.24)	-3(0.12)	+0	+0	-10(0.39)	-5(0.20)

*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.

Model	Process Connection		BD1/CD1 (DIN PN10)				PD1 (DIN PN10)				BD2/CD2 (DIN PN16)		PD2 (DIN PN16)		CS1 (AS Table D)				CS2 (AS Table E)	
	Size code		250	300	350	400	250	300	350	400	250	300	250	300	250	300	350	400	250	300
	Size		250 (10)	300 (12)	350 (14)	400 (16)	250 (10)	300 (12)	350 (14)	400 (16)	250 (10)	300 (12)	250 (10)	300 (12)	250 (10)	300 (12)	350 (14)	400 (16)	250 (10)	300 (12)
	Lining code		A,U D,G	A,U D,G	A,U D,G	A,U D,G	A	A	A	A	A,U D,G	A,U D,G	A	A	A	A	A	A	A	A
Remote Flowtube / Integral Flowmeter	Face-to-face length	L 0 -5 *2	450 (17.72)	500 (19.69)	550 (21.65)	600 (23.62)	450 (17.72)	500 (19.69)	550 (21.65)	600 (23.62)	450 (17.72)	500 (19.69)	450 (17.72)	500 (19.69)	450 (17.72)	500 (19.69)	550 (21.65)	600 (23.62)	450 (17.72)	500 (19.69)
	Outside dia.	øD	395 (15.55)	445 (17.52)	505 (19.88)	565 (22.24)	395 (15.55)	445 (17.52)	505 (19.88)	565 (22.24)	405 (15.94)	460 (18.11)	405 (15.94)	460 (18.11)	405 (15.94)	455 (17.91)	525 (20.67)	580 (22.83)	405 (15.94)	455 (17.91)
	Thickness	t *2	34 (1.34)	34 (1.34)	36 (1.42)	36 (1.42)	34 (1.34)	34 (1.34)	36 (1.42)	36 (1.42)	34 (1.34)	36 (1.42)	34 (1.34)	36 (1.42)	24 (0.94)	27 (1.06)	32 (1.26)	32 (1.26)	30 (1.18)	33 (1.30)
	Inner diameter of Grounding ring	ød	243 (9.57)	291.3 (11.47)	323.4 (12.73)	373.5 (14.70)	243 (9.57)	291.3 (11.47)	323.4 (12.73)	373.5 (14.70)	243 (9.57)	291.3 (11.47)	243 (9.57)	291.3 (11.47)	243.0 (9.57)	291.3 (11.47)	323.4 (12.73)	373.5 (14.70)	243.0 (9.57)	291.3 (11.47)
	Pitch circle dia.	øC	350 (13.78)	400 (15.75)	460 (18.11)	515 (20.28)	350 (13.78)	400 (15.75)	460 (18.11)	515 (20.28)	355 (13.98)	410 (16.14)	355 (13.98)	410 (16.14)	356 (14.02)	406 (15.98)	470 (18.50)	521 (20.51)	356 (14.02)	406 (15.98)
	Bolt hole interval	θ°	15	15	11.25	11.25	15	15	11.25	11.25	15	15	15	15	22.5	15	15	15	15	15
	Hole dia.	øh	22 (0.87)	22 (0.87)	22 (0.87)	26 (1.02)	22 (0.87)	22 (0.87)	22 (0.87)	26 (1.02)	26 (1.02)	26 (1.02)	26 (1.02)	26 (1.02)	22 (0.87)	22 (0.87)	26 (1.02)	26 (1.02)	22 (0.87)	26 (1.02)
	Number of holes	N	12	12	16	16	12	12	16	16	12	12	12	12	8	12	12	12	12	12
	Height	H1	397 (15.63)	447 (17.60)	498 (19.61)	556 (21.89)	397 (15.63)	447 (17.60)	498 (19.61)	556 (21.89)	402 (15.83)	454 (17.87)	402 (15.83)	454 (17.87)	403 (15.85)	452 (17.78)	509 (20.03)	563 (22.17)	403 (15.85)	452 (17.78)
	Height	H2	197 (7.76)	221 (8.70)	243 (9.57)	270 (10.63)	197 (7.76)	221 (8.70)	243 (9.57)	270 (10.63)	197 (7.76)	221 (8.70)	197 (7.76)	221 (8.70)	197 (7.76)	221 (8.70)	243 (9.57)	270 (10.63)	197 (7.76)	221 (8.70)
	Height	H3	449 (17.68)	499 (19.65)	568 (22.36)	628 (24.72)	449 (17.68)	499 (19.65)	568 (22.36)	628 (24.72)	459 (18.07)	514 (20.24)	459 (18.07)	514 (20.24)	459 (18.08)	509 (20.05)	588 (23.16)	643 (25.32)	459 (18.08)	509 (20.05)
Remote Flowtube	Max. Height	Hr	521 (20.51)	571 (22.48)	622 (24.49)	680 (26.77)	521 (20.51)	571 (22.48)	622 (24.49)	680 (26.77)	526 (20.71)	578 (22.76)	526 (20.71)	578 (22.76)	527 (20.74)	576 (22.67)	633 (24.91)	687 (27.06)	527 (20.74)	576 (22.67)
	Weight kg (lb) *3		73.0 (161.0)	79.4 (174.9)	112.5 (248.0)	129.7 (285.9)	73.0 (161.0)	79.4 (174.9)	112.5 (248.0)	129.7 (285.9)	74.8 (164.9)	87.9 (193.8)	74.8 (164.9)	87.9 (193.8)	67.7 (149.3)	79.1 (174.3)	115.8 (255.3)	138.2 (304.7)	77.8 (171.4)	90.5 (199.4)
Integral Flowmeter	Max. Height	Hi	559 (22.01)	609 (23.98)	660 (25.98)	718 (28.27)	559 (22.01)	609 (23.98)	660 (25.98)	718 (28.27)	564 (22.20)	616 (24.25)	564 (22.20)	616 (24.25)	565 (22.23)	614 (24.16)	671 (26.41)	725 (28.55)	565 (22.23)	614 (24.16)
	Weight kg (lb)		74.7 (164.7)	81.1 (178.7)	114.2 (251.7)	131.4 (289.6)	74.7 (164.7)	81.1 (178.7)	114.2 (251.7)	131.4 (289.6)	76.5 (168.7)	89.6 (197.6)	76.5 (168.7)	89.6 (197.6)	69.4 (153.0)	80.8 (178.0)	117.5 (259.1)	139.9 (308.4)	79.5 (175.2)	99.2 (203.2)

TD02-15E.EPS

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

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

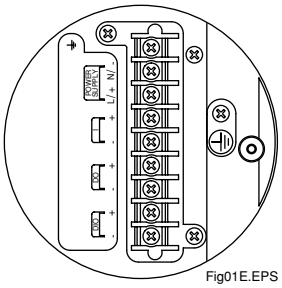


Fig01E.EPS

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

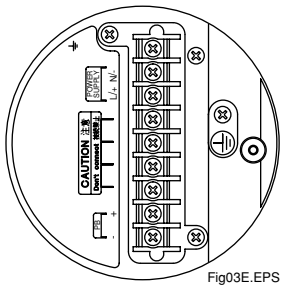


Fig03E.EPS

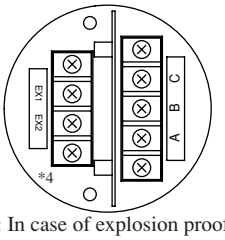
Terminal wiring

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