

Integral Flowmeter    Remote Flowtube

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Unit : mm  
(approx. inch)

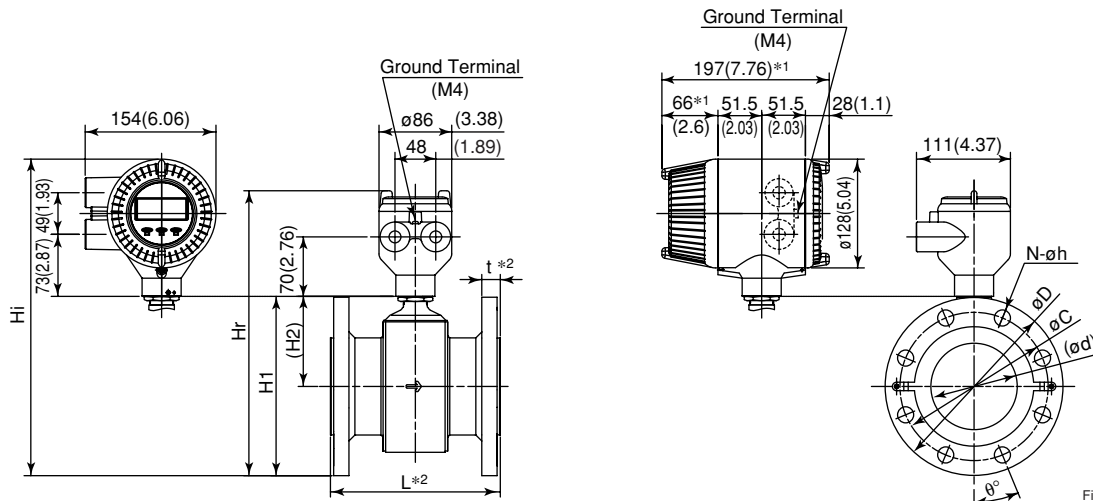


Fig12E.EPS

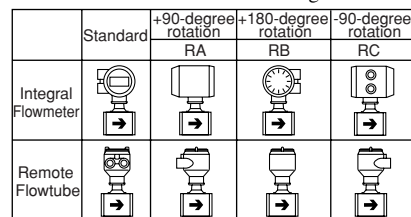
\*No infra-red switches are furnished for Fieldbus communication type.

#### Model code:

AXF065	D	A	B	J	1
AXF080	E	1	B	J	2
AXF100	F	2	B	G	1
AXF125	C	N	C	J	1
	N	G	C	J	2
	P		C	G	1
			P	J	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.



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).

Grounding Ring Code	L		t			
	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.

Model	Process Connection	BJ1/CJ1 (JIS10K)				PJ1 (JIS10K)		BJ2/CJ2 (JIS20K)				BG1/CG1 (JIS F12)		
		065	080	100	125	080	100	065	080	100	125	080	100	125
Remote Flowtube	Size code	065	080	100	125	080	100	065	080	100	125	080	100	125
	Size	65 (2.5)	80 (3)	100 (4)	125 (5)	80 (3)	100 (4)	65 (2.5)	80 (3)	100 (4)	125 (5)	80 (3)	100 (4)	125 (5)
Integral Flowmeter	Lining code	A,U	A,U	D,G	D,G	A	A	A,U	A,U	A,U	A,U	A,U	A,U	A,U
	Face-to-face length L <sup>0*2</sup>	200 (7.87)	200 (7.87)	250 (9.84)	250 (9.84)	200 (7.87)	250 (9.84)	200 (7.87)	250 (9.84)	250 (9.84)	250 (9.84)	200 (7.87)	250 (9.84)	250 (9.84)
Remote Flowtube	Outside dia. øD	175 (6.89)	185 (7.28)	210 (8.27)	250 (9.84)	185 (7.28)	210 (8.27)	175 (6.89)	200 (7.87)	225 (8.86)	270 (10.63)	211 (8.31)	238 (9.37)	263 (10.35)
	Thickness t <sup>*2</sup>	22 (0.87)	22 (0.87)	24 (0.94)	24 (0.94)	22 (0.87)	22 (0.87)	24 (0.94)	26 (1.02)	28 (1.10)	30 (1.18)	22 (0.87)	22 (0.87)	24 (0.94)
Integral Flowmeter	Inner diameter of Grounding ring ød	66 (2.60)	77 (3.03)	102 (4.02)	128 (5.04)	77 (3.03)	102 (4.02)	66 (2.60)	77 (3.03)	102 (4.02)	128 (5.04)	77 (3.03)	102 (4.02)	128 (5.04)
	Pitch circle dia. øC	140 (5.51)	150 (5.91)	175 (6.89)	210 (8.27)	150 (5.91)	175 (6.89)	140 (5.51)	160 (6.30)	185 (7.28)	225 (8.86)	168 (6.61)	195 (7.68)	220 (8.66)
Remote Flowtube	Bolt hole interval ø <sup>θ</sup>	45 (1.81)	22.5 (0.91)	22.5 (0.91)	22.5 (0.91)	22.5 (0.91)	22.5 (0.91)	45 (1.81)	22.5 (0.91)	22.5 (0.91)	22.5 (0.91)	45 (1.81)	45 (1.81)	30 (1.18)
	Hole dia. øh	19 (0.75)	19 (0.75)	19 (0.75)	23 (0.91)	19 (0.75)	19 (0.75)	19 (0.75)	23 (0.91)	23 (0.91)	25 (0.98)	19 (0.75)	19 (0.75)	19 (0.75)
Integral Flowmeter	Number of holes N	4	8	8	8	8	8	4	8	8	8	4	4	6
	Height H1	176 (6.93)	187 (7.36)	211 (8.30)	245 (9.65)	187 (7.36)	211 (8.30)	176 (6.93)	195 (7.68)	218 (8.59)	255 (10.04)	200 (7.87)	225 (8.85)	252 (9.90)
Remote Flowtube	Height H2	89 (3.50)	95 (3.74)	106 (4.16)	120 (4.73)	95 (3.74)	106 (4.16)	89 (3.50)	95 (3.74)	106 (4.16)	120 (4.73)	95 (3.74)	106 (4.16)	120 (4.73)
	Max. Height Hr	300 (11.81)	311 (12.24)	335 (13.18)	369 (14.53)	311 (12.24)	335 (13.18)	300 (11.81)	319 (12.56)	342 (13.47)	379 (14.92)	324 (12.76)	349 (13.73)	376 (14.79)
Integral Flowmeter	Weight kg (lb) <sup>*3</sup>	9.0 (19.8)	9.6 (21.2)	12.4 (27.3)	17.4 (38.3)	9.6 (21.2)	12.4 (27.3)	9.0 (19.8)	12.4 (27.3)	16.9 (37.3)	24.7 (54.5)	12.2 (26.9)	15.5 (34.2)	19.5 (43.1)
	Max. Height Hi	338 (13.31)	349 (13.74)	372 (14.65)	407 (16.01)	349 (13.74)	372 (14.65)	338 (13.31)	357 (14.06)	380 (14.95)	417 (16.40)	362 (14.25)	386 (15.21)	413 (16.26)
Remote Flowtube	Weight kg (lb)	10.7 (23.5)	11.3 (25.0)	14.1 (31.0)	19.1 (42.1)	11.3 (25.0)	14.1 (31.0)	10.7 (23.5)	14.1 (31.0)	18.6 (41.0)	26.4 (58.3)	13.9 (30.7)	17.2 (37.8)	21.2 (46.8)

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

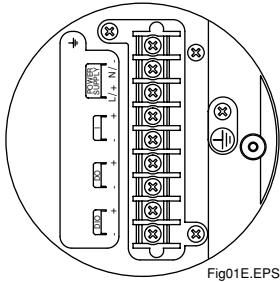


Fig01E.EPS

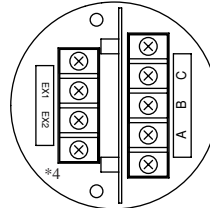
#### Terminal wiring

Terminal 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

## Remote Flowtube

#### Terminal configuration



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

Fig02E.EPS

#### Terminal wiring

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

### FOUNDATION Fieldbus/PROFIBUS PA Communication type

#### Terminal configuration

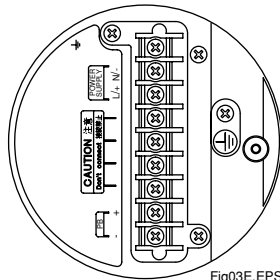


Fig03E.EPS

#### Terminal wiring

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

Fig01-3E.EPS