

### AXF Integral Flowmeter/Remote Flowtube AXF Standard (DIN/AS Flange) Fluorocarbon PFA/Polyurethane Rubber/Natural Soft Rubber/EPDM Rubber Lining

Integral Flowmeter

Remote Flowtube

Integral Flowmeter

Remote Flowtube

Unit : mm  
(approx. inch)

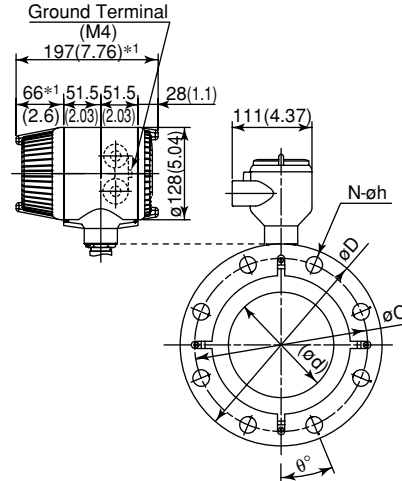
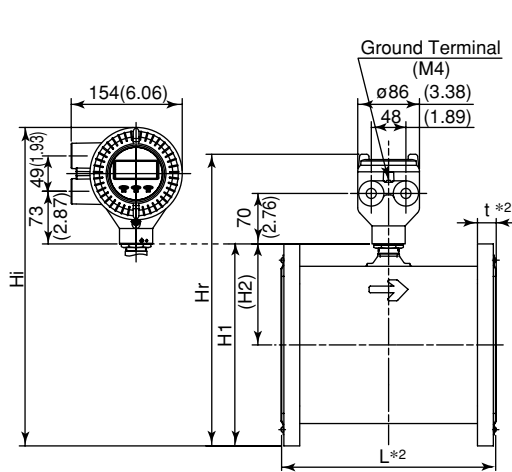
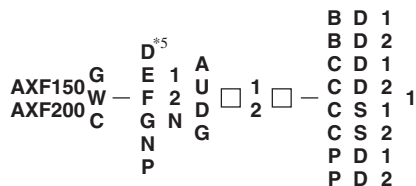


Fig13E.EPS

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

#### Model code:



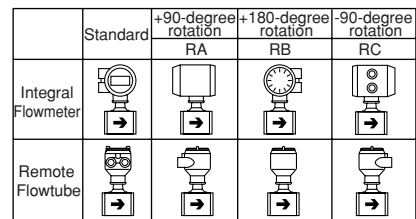
\*5: D, E, F, G; Integral Flowmeter, N, P: Remote Flowtube

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

Model	Process Connection	BD1/CD1	PD1	BD2/CD2	PD2	CS1		CS2	
		(DIN PN10)	(DIN PN10)	(DIN PN16)	(DIN PN16)	(AS Table D)	(AS Table E)	(AS Table E)	(AS Table E)
Model	Size code	200	200	150	200	150	200	150	200
	Size	200 (8)	200 (8)	150 (6)	200 (8)	150 (6)	200 (8)	150 (6)	200 (8)
Model	Lining code	A, U D, G	A	A, U D, G	A	A	A	A	A
	Face-to-face length	L <sup>±0.2</sup> 350 (13.78)	350 (13.78)	300 (11.81)	300 (11.81)	350 (13.78)	300 (11.81)	350 (13.78)	300 (11.81)
Remote Flowtube	Outside dia. øD	340 (13.39)	340 (13.39)	285 (11.22)	340 (13.39)	285 (11.22)	340 (13.39)	280 (11.02)	335 (13.19)
	Thickness t <sup>±0.2</sup>	29 (1.14)	29 (1.14)	27 (1.06)	29 (1.14)	27 (1.06)	29 (1.14)	18 (0.71)	22 (0.87)
Remote Flowtube	Inner diameter of Grounding ring ød	193.6 (7.62)	193.6 (7.62)	146.1 (5.75)	193.6 (7.62)	146.1 (5.75)	193.6 (7.62)	146.1 (5.75)	193.6 (7.62)
	Pitch circle dia. øC	295 (11.61)	295 (11.61)	240 (9.45)	295 (11.61)	240 (9.45)	295 (11.61)	292 (11.50)	292 (11.50)
Integral Flowmeter	Bolt hole interval ø <sup>°</sup>	22.5	22.5	22.5	15	22.5	15	22.5	22.5
	Hole dia. øh	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	18 (0.71)	18 (0.71)	22 (0.87)
Integral Flowmeter	Number of holes N	8	8	8	12	8	12	8	8
	Height H1	336 (13.23)	336 (13.23)	284 (11.16)	336 (13.23)	284 (11.16)	336 (13.23)	281 (11.06)	334 (13.13)
Remote Flowtube	Height H2	166 (6.54)	166 (6.54)	141 (5.55)	166 (6.54)	141 (5.55)	166 (6.54)	141 (5.55)	166 (6.54)
	Max. Height Hr	460 (18.11)	460 (18.11)	408 (16.04)	460 (18.11)	408 (16.04)	460 (18.11)	458 (18.01)	458 (18.01)
Remote Flowtube	Weight kg (lb) <sup>*3</sup>	42.5 (93.7)	42.5 (93.7)	28.7 (63.2)	42.5 (93.7)	28.7 (63.2)	42.5 (93.7)	35.2 (77.6)	28.5 (62.8)
	Max. Height Hi	498 (19.61)	498 (19.61)	446 (17.54)	498 (19.61)	446 (17.54)	498 (19.61)	443 (17.44)	496 (19.51)
Integral Flowmeter	Weight kg (lb)	44.2 (97.5)	44.2 (97.5)	30.4 (66.9)	44.2 (97.5)	30.4 (66.9)	44.2 (97.5)	36.9 (81.4)	30.2 (66.6)

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

T02-12E.EPS



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).

Option Code	Grounding Ring Code	L		t	
		S, L, H, V	P, T	L	t
None	+0	+0	+32(1.26)	+16(0.63)	-2(0.08)
	+0	+5(0.20)	+38(1.5)	+19(0.75)	-1(0.04)
GA, GC, GD (Special Gaskets)	+10(0.39)	+5(0.20)	+38(1.5)	+19(0.75)	-
	+10(0.39)	+5(0.20)	+38(1.5)	+19(0.75)	-

\*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

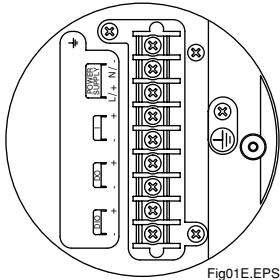


Fig01E.EPS

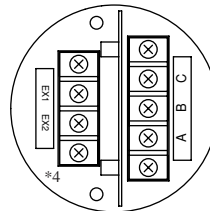
#### Terminal wiring

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

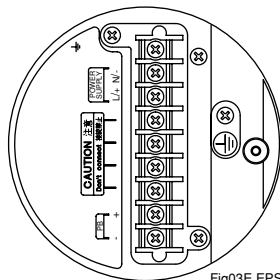


Fig03E.EPS

#### 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