

Drawings

AXF150, AXF200, AXF250



AXF Integral Flowmeter/Remote Flowtube Replacement Model for Earlier ADMAG or ADMAG AE (ANSI Flange) Fluorocarbon PFA/Polyurethane Rubber Lining

Integral Flowmeter Remote Flowtube

Integral Flowmeter Remote Flowtube

Unit : mm
(approx. inch)

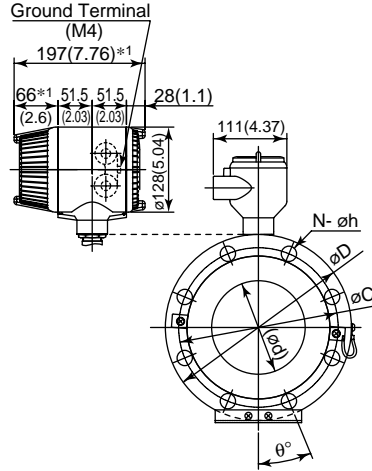
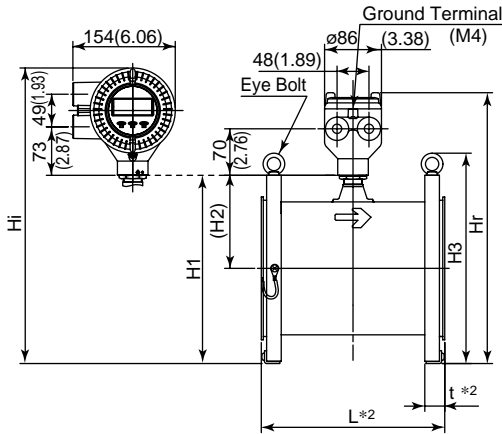


Fig15E.EPS

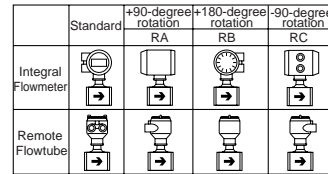
*No infla-red switches are furnished for Fieldbus communication type.

Model code:

^{*5}
AX**F**1**5**0 **G**
AX**F**2**0**0 **W**
AX**F**2**5**0 **C**
D
E 1
F 2
G N
N
P

*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 12mm(0.47inch) 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).

Model	Process Connection	CA1(ANSI Class 150)			CA2(ANSI Class 300)		
	Size code	150	200	250	150	200	250
	Size	150 (6)	200 (8)	250 (10)	150 (6)	200 (8)	250 (10)
	Lining code	A,U	A,U	A,U	A,U	A,U	A,U
Remote Flowtube	Face-to-face length	L ^{*2}	270 (10.63)	340 (13.39)	430 (16.93)	270 (10.63)	340 (13.39)
	Outside dia.	øD	279.4 (11.00)	342.9 (13.50)	406.4 (16.00)	317.5 (12.50)	381.0 (15.00)
	Thickness	t ^{*2}	34.4 (1.35)	37.4 (1.47)	39.2 (1.54)	47.5 (1.87)	50.1 (1.97)
	Inner diameter of Grounding ring	ød	140.7 (5.54)	188.9 (7.44)	243 (9.57)	140.7 (5.54)	188.9 (7.44)
Integral Flowmeter	Pitch circle dia.	øC	241.3 (9.50)	298.5 (11.75)	362.0 (14.25)	269.7 (10.62)	330.2 (13.00)
	Bolt hole interval	θ°	22.5	22.5	15	15	15
	Hole dia.	øh	22.4 (0.88)	22.4 (0.88)	25.4 (1.00)	22.4 (0.88)	25.4 (1.00)
	Number of holes	N	8	8	12	12	16
Remote Flowtube	Height	H1	284 (11.18)	340 (13.39)	403 (15.87)	303 (11.93)	360 (14.17)
	Height	H2	141 (5.55)	166 (6.54)	197 (7.76)	141 (5.55)	166 (6.54)
	Height	H3	324 (12.76)	387 (15.24)	460 (18.11)	362 (14.25)	426 (16.77)
Integral Flowmeter	Max. Height	Hi	408 (16.06)	464 (18.27)	527 (20.75)	427 (16.81)	484 (19.06)
	Weight kg (lb) ^{*3}		32.1 (70.7)	50.9 (112.2)	77.4 (170.6)	53.7 (118.4)	80.5 (177.5)

Lining code : A; Fluorocarbon PFA, U; Polyurethane Rubber

T002-21E.EPS

Nominal Size: 150, 200mm					
Grounding Ring Code		L	t	L	t
Option Code	None	+0	+0	+28(1.1)	+14(0.55)
	GA, GC, GD (Special Gaskets)	+2(0.08)	+1(0.04)	+30(1.18)	+15(0.59)

Nominal Size: 250mm					
Grounding Ring Code		L	t	L	t
Option Code is "None"		+0	+0	-6(0.24)	-3(0.12)

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

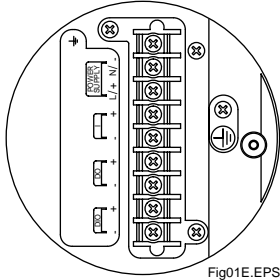


Fig01E.EPS

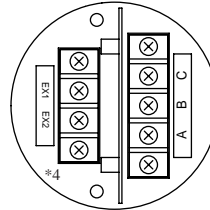
Terminal wiring

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

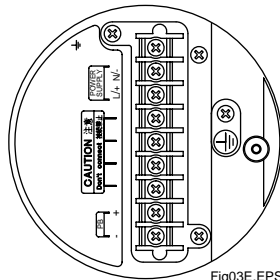


Fig03E.EPS

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