

Drawings

ADMAG TI Series
AXG Magnetic Flowmeter
Wafer Type Replacement Model
PFA Lining (Wafer)



SD 01E22D01-02EN

Unit: mm (approx. in.)

Size 25 to 100 mm (1 to 4 in.)

AXG025

AXG040

AXG050 -□□□□□A□□A.../RW/GAN

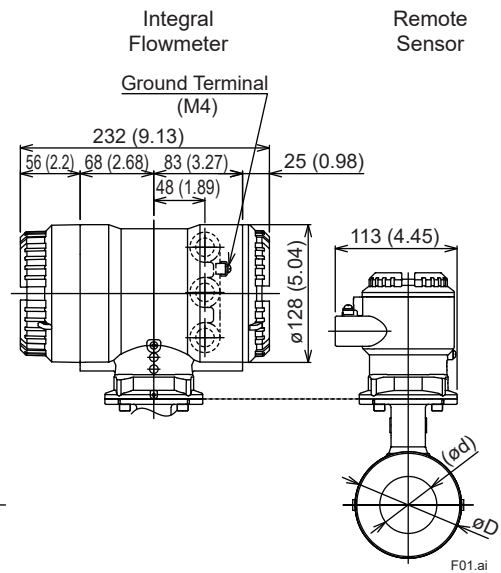
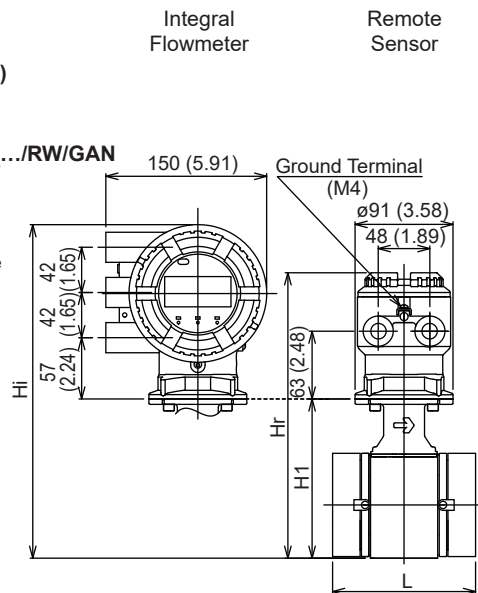
AXG080

AXG100

20

Size Code

Process Connection Code	Lining Code
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100	100



Size 150 to 200 mm (6 to 8 in.)

AXG150

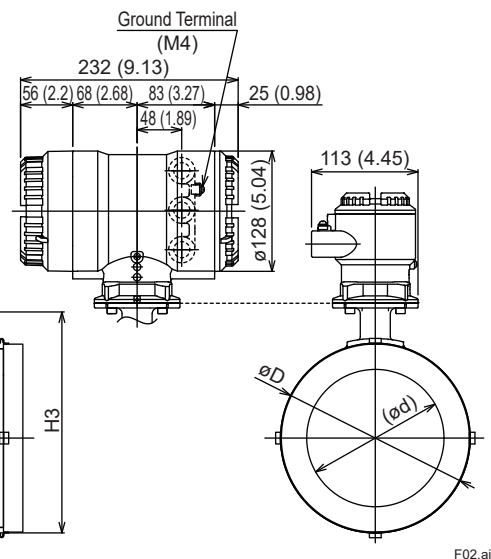
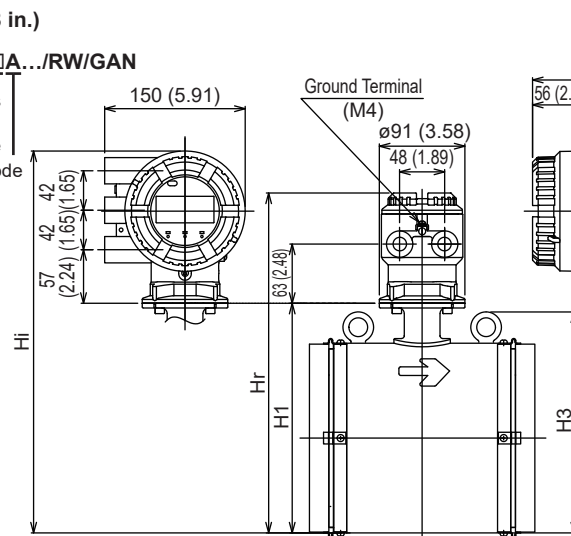
AXG200

Process

100

Size Code

Process Connection Code	Lining Code
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100	100



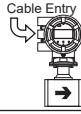
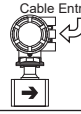
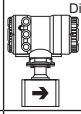
Unless otherwise specified, difference in the dimensions are specified as : General tolerance = $\pm$ (Criteria of tolerance class IT18 in JIS B0401-1) / 2

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SD 01E22D01-02EN

1st Edition: Dec. 2024 (KP)
2nd Edition: Apr. 2025 (KP)

	Direction of Cable Entry			
	Standard (0°)	+90° rotation	+180° rotation	-90° rotation
Integral Flowmeter				
Remote Sensor				

* The direction of cable entry changes as shown left depending on the designation of the optional code RH with its rotational specification.

Unit: mm (approx. in.)

Model	Process Connection Code		AA1, AA2, AJ1, AJ2					AA1, AJ1	AA2, AJ2	AA1, AJ1	AA2, AJ2
			-	-	-	AG1		AG1	-	AG1	-
	Size Code		025	040	050	080	100	150	150	200	200
	Size		25 (1)	40 (1.5)	50 (2)	80 (3)	100 (4)	150 (6)	150 (6)	200 (8)	200 (8)
Lining Code			A	A	A	A	A	A	A	A	A
Remote Sensor Integral Flowmeter	Lay Length (*1) (Including The Thickness Of The Grounding Ring)	L	93 (3.66)	106 (4.17)	120 (4.72)	160 (6.30)	180 (7.09)	230 (9.06)	230 (9.06)	300 (11.81)	300 (11.81)
	Outer Diameter	øD	68 (2.66)	86 (3.39)	99 (3.90)	129 (5.08)	155 (6.10)	202 (7.94)	202 (7.94)	252 (9.91)	252 (9.91)
	Grounding Ring Inner Diameter	ød	27 (1.06)	40 (1.57)	52 (2.05)	81 (3.19)	102 (4.02)	147.3 (5.80)	147.3 (5.80)	198.9 (7.83)	198.9 (7.83)
	Height	H1	110 (4.33)	129 (5.08)	148 (5.83)	175 (6.89)	201 (7.91)	244 (9.62)	262 (10.31)	294 (11.59)	312 (12.28)
	Height	H3	-	-	-	-	-	235 (9.26)	235 (9.26)	285 (11.22)	285 (11.22)
Remote Sensor	Maximum Height	Hr	227 (8.94)	246 (9.69)	265 (10.43)	292 (11.50)	318 (12.52)	362 (14.24)	380 (14.96)	412 (16.21)	430 (16.93)
	Approx. Weight, Unit: kg (lb) (*2)		2.9 (6.39)	3.8 (8.38)	4.9 (10.80)	7.0 (15.43)	8.8 (19.40)	19 (41.89)	19 (41.89)	30 (66.14)	30 (66.14)
Integral Flowmeter	Maximum Height	Hi	272 (10.71)	291 (11.46)	310 (12.20)	337 (13.27)	363 (14.29)	406 (16.00)	424 (16.69)	456 (17.97)	474 (18.66)
	Approx. Weight, Unit: kg (lb)		5.5 (12.13)	6.3 (13.89)	7.4 (16.31)	9.6 (21.16)	11.3 (24.91)	21 (46.30)	21 (46.30)	33 (72.75)	33 (72.75)
Gaskets (BSC, BSF) (*1)			+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)
Gaskets (GA, GC, GD) (*1)			+4 (0.16)	+4 (0.16)	+4 (0.16)	+4 (0.16)	+4 (0.16)	+6 (0.24)	+6 (0.24)	+6 (0.24)	+6 (0.24)
Gaskets (GA, GC, GD) and Gaskets (BSC, BSF) (*1)			+10 (0.39)	+10 (0.39)	+10 (0.39)	+10 (0.39)	+10 (0.39)	+12 (0.47)	+12 (0.47)	+12 (0.47)	+12 (0.47)

*1: Add the value above (which is the total of both ends) to the lay length "L" when selecting optional gaskets.

*2: When submersible use or optional code DHC is selected, waterproof glands with union joints and cables are attached.
When the cable length is 30-meters, add 9.5 kg (20.9 lb) to the weight in the table.

Additional weight for FM (USA) Flameproof (FF2, FJ2, FT2)

Size	25	40	50	80	100	150	200
Lining Code	A	A	A	A	A	A	A
Wafer	0.1	0.2	0.3	0.8	1.3	2	4
Approx. Additional Weight, Unit: kg (lb)	(0.22)	(0.44)	(0.66)	(1.76)	(2.87)	(4.41)	(8.82)

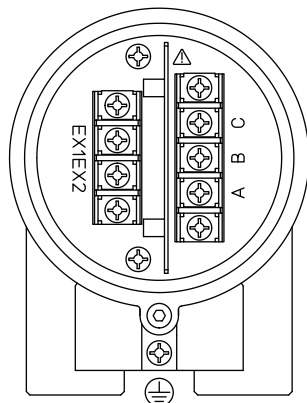
Terminal Configuration and Wiring

For Communication and I/O Suffix Code P0 (EtherNet/IP), read SD 01E21C02-01EN.

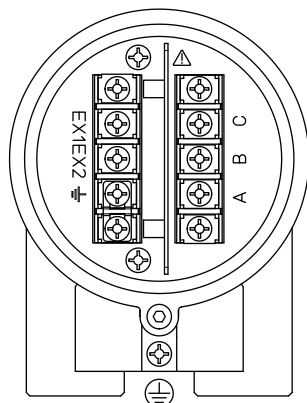
Remote Sensor:

<To be wired to Remote Transmitter>

Non Explosion Protection Use



Explosion Protection Use



Terminal Symbol	Description
A B C	Flow Signal Output
EX1 EX2	Excitation Current Input
	Protective Grounding (Outside of the terminal box)
	Functional Grounding

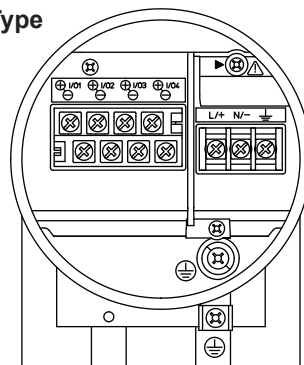
F03.ai

Note: When submersible use or optional code DHC is selected, waterproof glands with union joints and cables are attached.

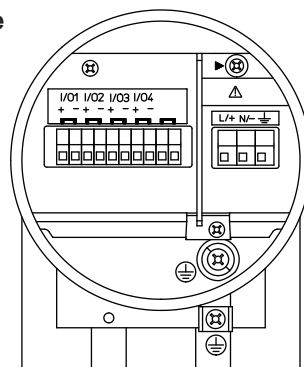
Integral Flowmeter:

<To be wired to Power Supply and I/Os>

M4 Screw Type



Clamp Type



Terminal Symbol	Description
	Shorting Screw (Need to be fixed for normal operation)
	Functional Grounding
N/- L/+	Power Supply
I/O4 - I/O4 + I/O3 - I/O3 + I/O2 - I/O2 + I/O1 - I/O1 +	Selected Input/Output
	Protective Grounding (Inside and outside of the terminal box)

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