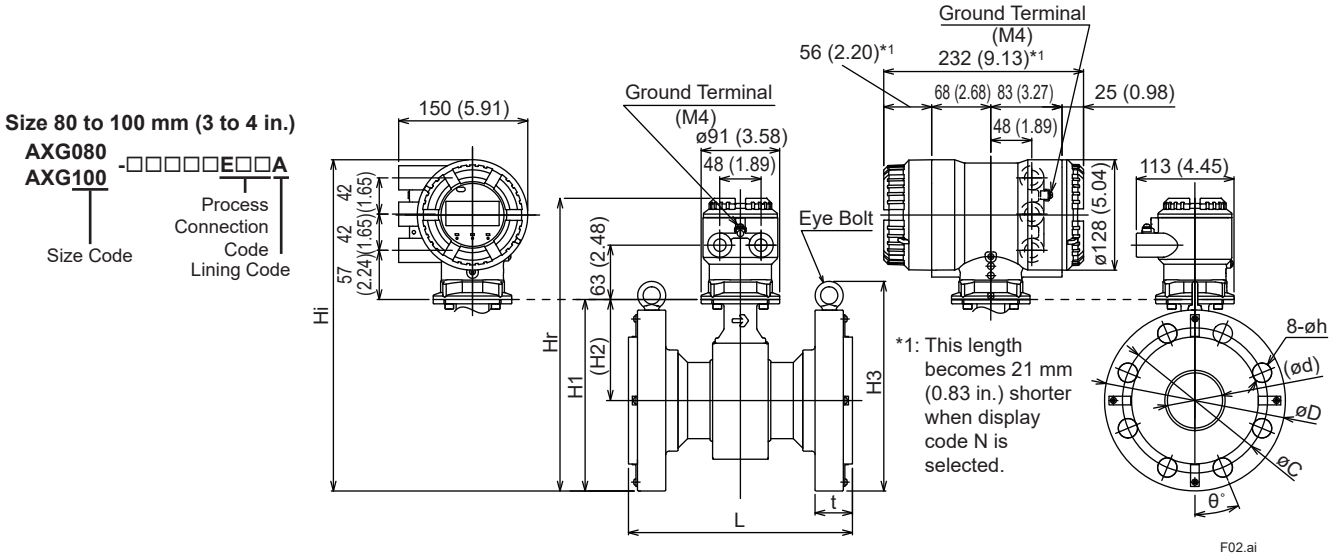
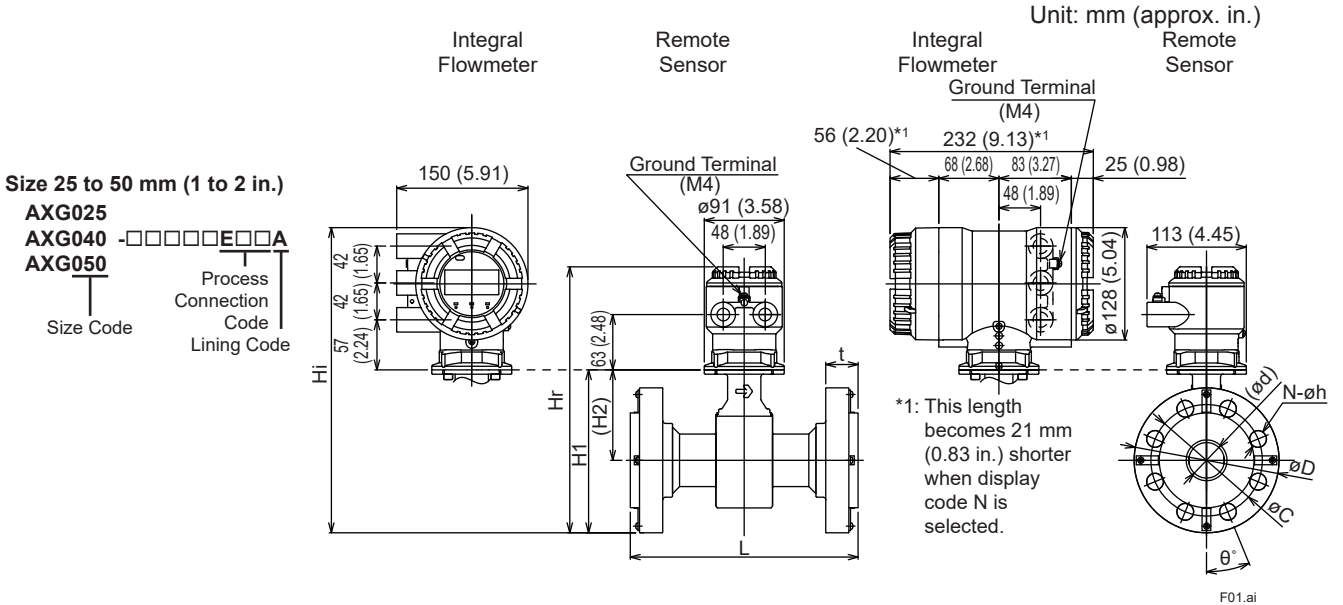


# Drawings

## ADMAG TI Series AXG Magnetic Flowmeter Flange ASME Class 600



SD 01E22D03-01EN



	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.

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

Unit: mm (approx. in.)

Model	Process Connection Code		EA4				
	Size Code		025	040	050	080	100
	Size		25 (1)	40 (1.5)	50 (2)	80 (3)	100 (4)
Lining Code		A					
Remote Sensor Integral Flowmeter	Lay Length (*1) (*3)	L	209 (8.23)	261 (10.28)	261 (10.28)	261 (10.28)	311 (12.24)
	Flange Outer Diameter	øD	124.0 (4.88)	155.5 (6.12)	165.1 (6.50)	209.6 (8.25)	273.1 (10.75)
	Flange Thickness (incl. lining flare)	t	29.0 (1.14)	34.4 (1.35)	37.4 (1.47)	43.8 (1.72)	50.1 (1.97)
	Lining Inner Diameter	ød	24 (0.93)	29 (1.16)	41 (1.59)	64 (2.52)	87 (3.43)
	Bolt		88.9	114.3	127.0	168.1	215.9
	Circle Diameter	øC	(3.50)	(4.50)	(5.00)	(6.62)	(8.50)
	Bolt Hole Interval	θ°	45	45	22.5	22.5	22.5
	Bolt Hole Diameter	øh	19.1 (0.75)	22.4 (0.88)	19.1 (0.75)	22.4 (0.88)	25.4 (1.00)
	Number of Bolt Holes	N	4	4	8	8	8
	Height	H1	148 (5.83)	167 (6.57)	185 (7.28)	222 (8.74)	265 (10.43)
	Height	H2	86 (3.38)	90 (3.53)	103 (4.05)	117 (4.61)	129 (5.07)
	Height	H3	-	-	-	243 (9.57)	306 (12.05)
	Maximum Height	Hr	265 (10.43)	284 (11.18)	302 (11.89)	339 (13.35)	382 (15.04)
	Approx. Weight, Unit: kg (lb) (*2)		5.8 (12.8)	9.2 (20.3)	11.0 (24.3)	19.4 (42.8)	36.9 (81.4)
Integral Flowmeter	Maximum Height	Hi	310 (12.20)	329 (12.95)	347 (13.66)	384 (15.12)	427 (16.81)
	Approx. Weight, Unit: kg (lb)		8.2 (18.1)	11.6 (25.6)	13.4 (29.5)	21.9 (48.3)	39.3 (86.6)

\*1: The lay length "L" includes the thickness of the grounding rings (GRN) which always needs to be selected.

\*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.

\*3: The tolerance of the lay length "L" is as follows.  
• Size 2.5 to 200 mm (0.1 to 8 in.): 0/-3 mm

### Grounding Rings for ASME Class 600 Flanges (Optional Code GRN)

Unit: mm (approx. in.)

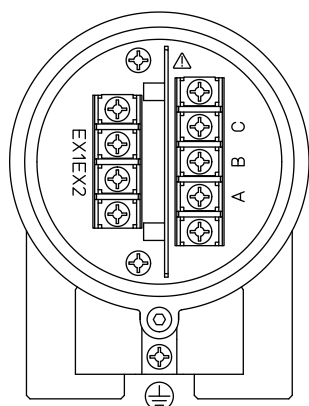
Size	Outer Diameter	Inner Diameter
25 (1)	69 (2.72)	29.0 (1.14)
40 (1.5)	92 (3.62)	35.4 (1.39)
50 (2)	108 (4.25)	46.5 (1.83)
80 (3)	147 (5.79)	70.9 (2.79)
100 (4)	185 (7.28)	93.0 (3.66)

### Terminal Configuration and Wiring

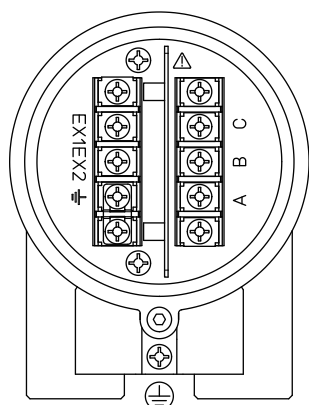
#### Remote Sensor:

<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

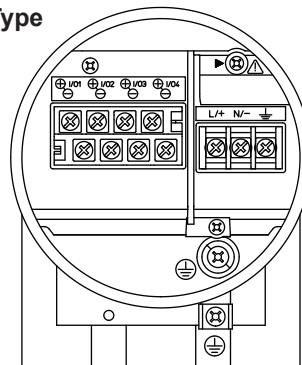
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Note: When submersible use or optional code DHC is selected, waterproof glands with union joints and cables are attached.

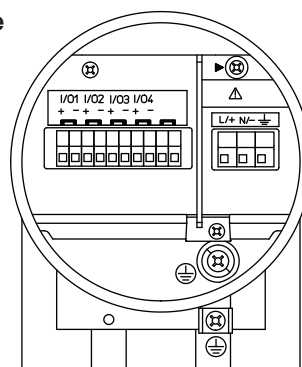
#### Integral Flowmeter:

<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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