

# Drawings

ADMAG TI Series  
 AXW Magnetic Flowmeter  
 [Size: 25 to 400 mm (1 to 16 in.)]  
 Flange EN PN10

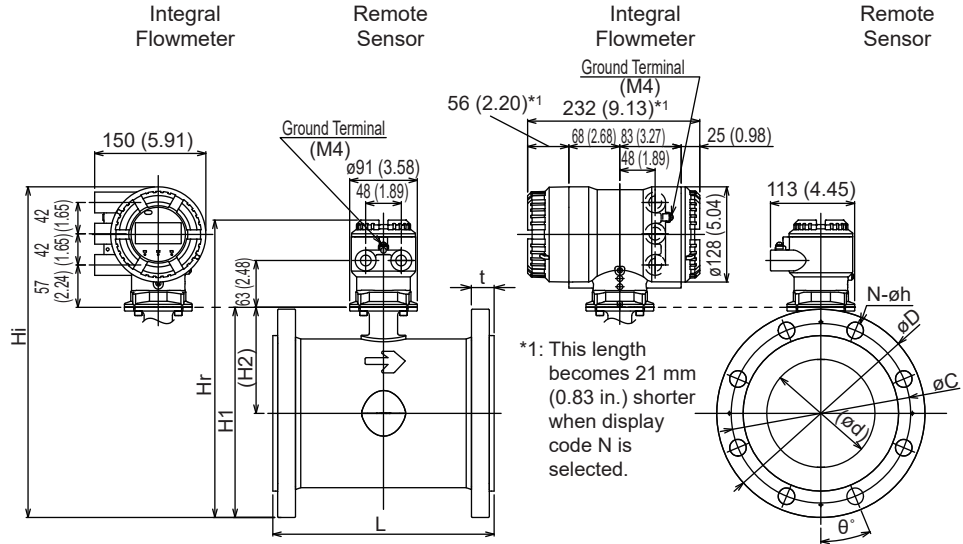


SD 01E24D02-04EN

Unit: mm (approx. in.)

Size 200 mm (8 in.)

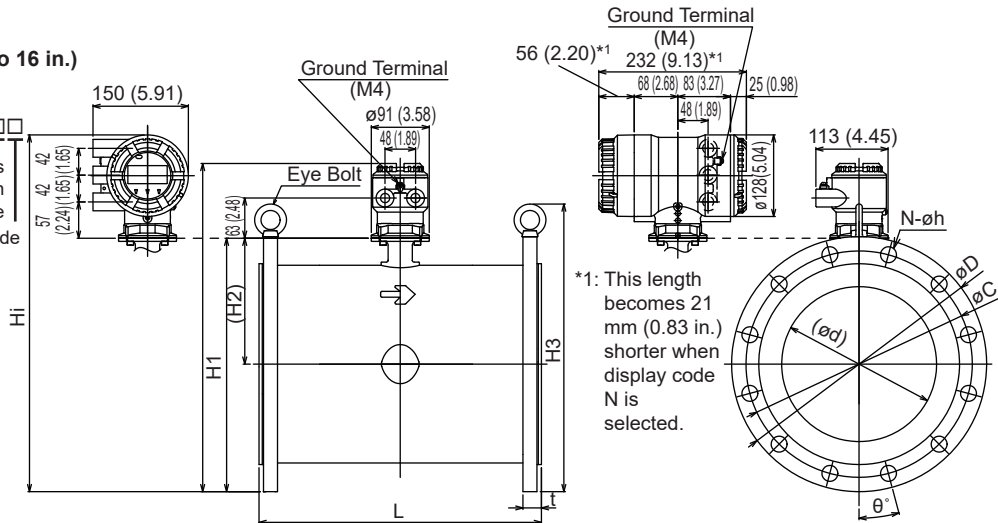
AXW200 - □□□□■□□□  
 Size Code      Process Connection Code  
 ■=B, C      Lining Code



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Size 250 to 400 mm (10 to 16 in.)

AXW250  
 AXW300 - □□□□■□□□  
 AXW350  
 AXW400  
 Size Code      Process Connection Code  
 ■=B, C      Lining Code



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	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		BE1															
			CE1															
	Size Code		200	200	200	250	250	250	300	300	300	350	350	350	400	400	400	
Size		(8)	(8)	(8)	(10)	(10)	(10)	(12)	(12)	(12)	(14)	(14)	(14)	(16)	(16)	(16)		
Lining Code		F	U	H, D	F	U	H, D	F	U	H, D	F	U	H, D	F	U	H, D		
Remote Sensor	Lay Length (*1) (*5)	L	349 (13.72)	349 (13.72)	349 (13.72)	448 (17.62)	448 (17.62)	448 (17.62)	498 (19.59)	498 (19.59)	498 (19.59)	548 (21.56)	548 (21.56)	548 (21.56)	598 (23.52)	598 (23.52)	598 (23.52)	
	Flange Outer Diameter	øD	340 (13.39)	340 (13.39)	340 (13.39)	395 (15.55)	395 (15.55)	395 (15.55)	445 (17.52)	445 (17.52)	445 (17.52)	505 (19.88)	505 (19.88)	505 (19.88)	565 (22.24)	565 (22.24)	565 (22.24)	
	Flange Thickness (incl. lining flare)	t	28.0 (1.10)	28.0 (1.10)	28.0 (1.10)	31.0 (1.22)	31.0 (1.22)	31.0 (1.22)	30.0 (1.18)	30.0 (1.18)	30.0 (1.18)	30.5 (1.20)	30.5 (1.20)	30.5 (1.20)	30.5 (1.20)	30.5 (1.20)	30.5 (1.20)	
	Lining Inner Diameter	ød	200 (7.89)	194 (7.63)	198 (7.81)	248 (9.78)	242 (9.53)	247 (9.74)	300 (11.79)	292 (11.48)	299 (11.75)	330 (12.97)	323 (12.70)	330 (12.97)	381 (14.98)	373 (14.67)	381 (14.98)	
	Bolt	øC	295 (11.61)	295 (11.61)	295 (11.61)	350 (13.78)	350 (13.78)	350 (13.78)	400 (15.75)	400 (15.75)	400 (15.75)	460 (18.11)	460 (18.11)	460 (18.11)	515 (20.28)	515 (20.28)	515 (20.28)	
	Circle Diameter		22.5 (0.87)	22.5 (0.87)	22.5 (0.87)	15 (0.87)	15 (0.87)	15 (0.87)	15 (0.87)	15 (0.87)	15 (0.87)	11.25 (0.87)	11.25 (0.87)	11.25 (0.87)	11.25 (0.87)	11.25 (0.87)	11.25 (0.87)	
	Bolt Hole Interval	θ°	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	22 (0.87)	26 (1.02)	26 (1.02)	26 (1.02)
	Bolt Hole Diameter	øh	8 (0.31)	8 (0.31)	8 (0.31)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)	16 (0.63)	16 (0.63)	16 (0.63)	16 (0.63)	16 (0.63)	16 (0.63)
	Number of Bolt Holes	N	338 (13.29)	338 (13.29)	338 (13.29)	396 (15.58)	396 (15.58)	396 (15.58)	445 (17.53)	445 (17.53)	445 (17.53)	497 (19.55)	497 (19.55)	497 (19.55)	554 (21.82)	554 (21.82)	554 (21.82)	
	Height	H1	168 (6.60)	168 (6.60)	168 (6.60)	198 (7.81)	198 (7.81)	198 (7.81)	223 (8.77)	223 (8.77)	223 (8.77)	244 (9.61)	244 (9.61)	244 (9.61)	272 (10.70)	272 (10.70)	272 (10.70)	
Height	H2	-	-	-	446 (17.56)	446 (17.56)	446 (17.56)	496 (19.53)	496 (19.53)	496 (19.53)	565 (22.24)	565 (22.24)	565 (22.24)	625 (24.61)	625 (24.61)	625 (24.61)		
Height	H3	-	-	-	513 (20.20)	513 (20.20)	513 (20.20)	563 (22.15)	563 (22.15)	563 (22.15)	614 (24.17)	614 (24.17)	614 (24.17)	672 (26.44)	672 (26.44)	672 (26.44)		
Remote Sensor	Maximum Height	Hr	41 (1.61)	40 (1.57)	40 (1.57)	65 (2.56)	64 (2.52)	64 (2.52)	77 (3.03)	76 (3.0)	75 (2.95)	97 (3.82)	96 (3.78)	94 (3.7)	121 (4.76)	120 (4.72)	118 (4.65)	
	Approx. Weight, Unit: kg (lb) (*2)		500 (19.67)	500 (19.67)	500 (19.67)	558 (21.96)	558 (21.96)	558 (21.96)	607 (23.91)	607 (23.91)	607 (23.91)	659 (25.93)	659 (25.93)	659 (25.93)	716 (28.20)	716 (28.20)	716 (28.20)	
Integral Flowmeter	Maximum Height	Hi	43 (1.69)	43 (1.69)	43 (1.69)	67 (2.64)	67 (2.64)	66 (2.6)	79 (3.11)	79 (3.11)	78 (3.07)	99 (3.9)	98 (3.86)	97 (3.82)	123 (4.84)	122 (4.8)	120 (4.72)	
	Approx. Weight, Unit: kg (lb)		-	+2 (+0.08)	+2 (+0.08)	-	+4 (+0.16)	+4 (+0.16)	-	+4 (+0.16)	+4 (+0.16)	-	+4 (+0.16)	+4 (+0.16)	-	+4 (+0.16)	+4 (+0.16)	
Grounding rings thin type (GRL, GRH) (*1) (*3)			-	+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)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	
Grounding rings thick type (GRN, GRJ) (*1) (*4)			-	+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)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	+6 (+0.24)	

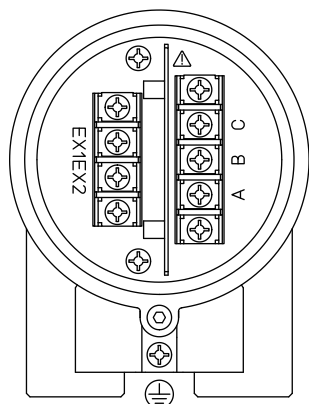
- \*1: Add the value above (which is the total of both ends) to the lay length "L" when selecting optional grounding rings with/without gaskets. Also, the thickness of customer supplied gaskets should be added for getting the total lay length.
- \*2: When submersible use or optional code DHC is selected, 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: These grounding rings (GRL, GRH) are not applied to lining code F nor H but for U and D.
- \*4: When applying these grounding rings (GRN, GRJ) to lining code F or H, gaskets supplied by customer are necessary. For the sizes in this table, recommended thickness of the gasket is 3 to 5 mm (0.12 to 0.20 in.) per one, bringing 6 to 10 mm (0.24 to 0.39 in.) per two to be additionally added for getting the total lay length.
- \*5: The tolerance of the lay length "L" is as follows.
- Size 25 to 200 mm (1 to 8 in.): 0/-3 mm
  - Size 250 to 400 mm (10 to 16 in.): 0/-5 mm

### Terminal Configuration and Wiring

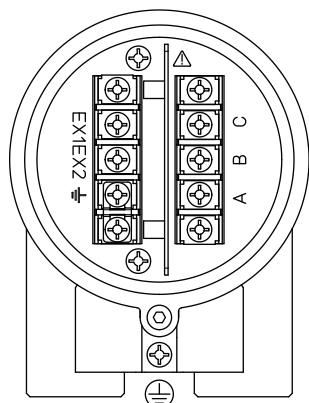
#### Remote Sensor:

<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

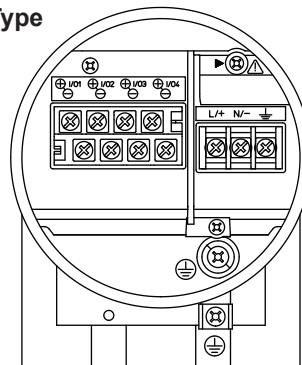
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Note: When submersible use or optional code DHC is selected, waterproof glands with union joints and cables are attached.

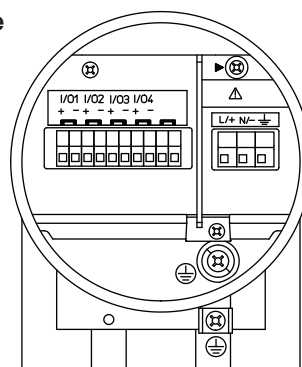
#### Integral Flowmeter:

<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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