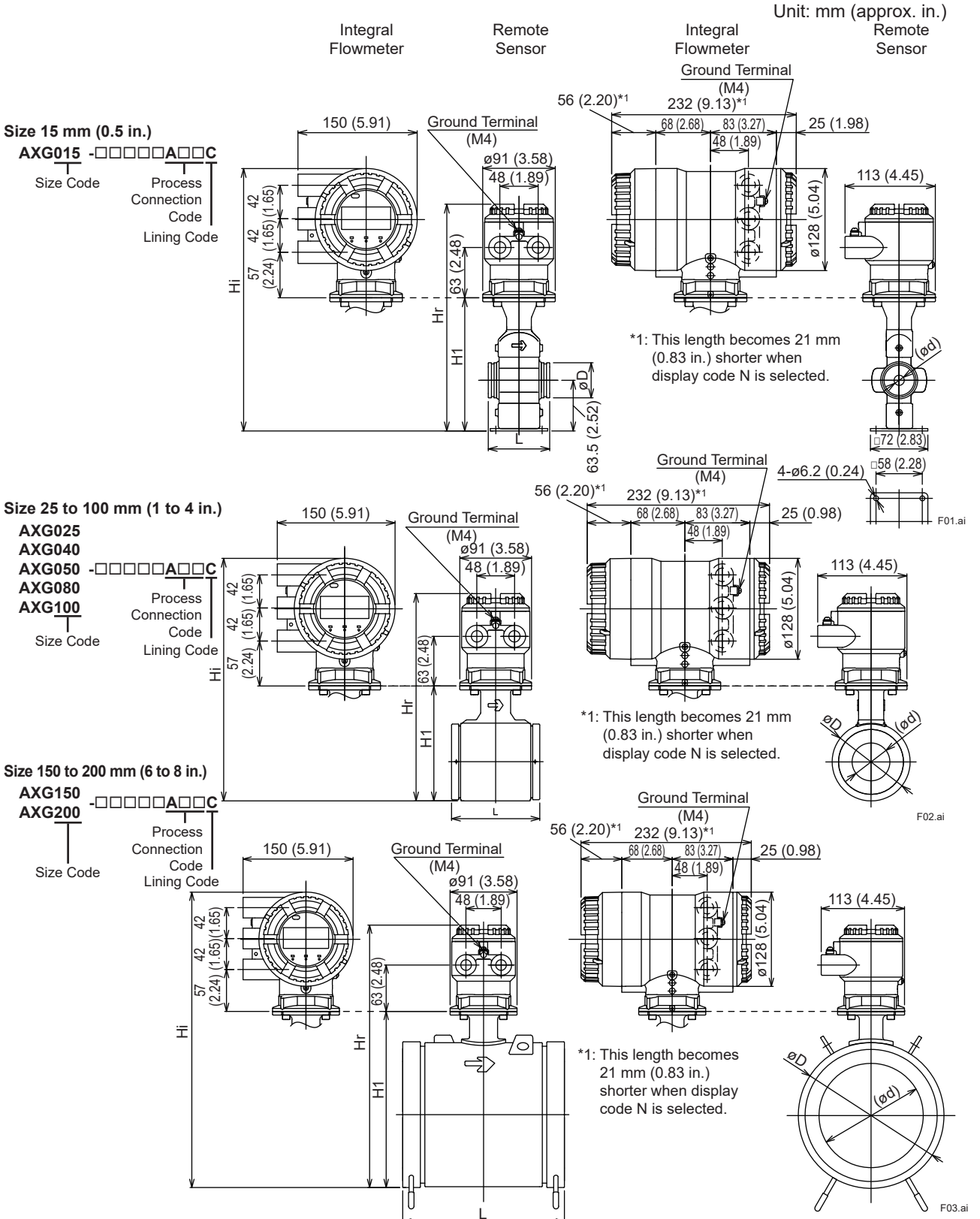


Drawings

ADMAG TI Series AXG Magnetic Flowmeter Ceramics Tube (Wafer)



SD 01E22D04-02EN



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

	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								
		AE4				AE2				
		-	-	-	-	-	-	-	AE1	
		AG1								
Size Code		015	025	040	050	080	100	150	200	
Size		15 (0.5)	25 (1)	40 (1.5)	50 (2)	80 (3)	100 (4)	150 (6)	200 (8)	
Lining Code		C	C	C	C	C	C	C	C	
Remote Sensor	Lay Length (*1)	L	79 (3.11)	87 (3.43)	100 (3.94)	114 (4.49)	154 (6.06)	174 (6.85)	226 (8.90)	296 (11.65)
	Outer Diameter	øD	44 (1.73)	67.5 (2.66)	86 (3.39)	99 (3.90)	129 (5.08)	155 (6.10)	214 (8.43)	264 (10.39)
Integral Flowmeter	Pipe Inner Diameter	ød	13 (0.51)	23 (0.91)	36 (1.42)	48 (1.89)	73 (2.87)	93 (3.66)	141 (5.55)	187 (7.36)
	Height	H1	167 (6.57)	110 (4.33)	129 (5.08)	148 (5.83)	175 (6.89)	201 (7.91)	255 (10.04)	305 (12.02)
Remote Sensor	Maximum Height	Hr	284 (11.18)	227 (8.94)	246 (9.69)	265 (10.43)	292 (11.50)	318 (12.52)	372 (14.66)	423 (16.63)
	Approx. Weight, Unit: kg (lb) (*3)		2.7 (6.0)	2.7 (6.0)	3.6 (7.9)	4.5 (9.9)	7.2 (15.9)	10.1 (22.3)	21 (46.4)	34 (75.1)
Integral Flowmeter	Maximum Height	Hi	329 (12.95)	272 (10.71)	291 (11.46)	310 (12.20)	337 (13.27)	363 (14.29)	417 (16.42)	467 (18.39)
	Approx. Weight, Unit: kg (lb)		5.2 (11.5)	5.2 (11.5)	6.1 (13.5)	7.0 (15.4)	9.7 (21.4)	12.6 (27.8)	23 (50.8)	36 (79.5)
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)
Grounding rings thick type (GRN, GRJ, GRW) (*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)
Grounding rings thick type (GRN, GRJ, GRW) and gaskets (BSC, BSF) (*1)			+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)
Grounding rings thick type (GRN, GRJ, GRW) with gaskets (GA, GC, GD, GF) (*1) (*2)			+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, GRW) with gaskets (GA, GC, GD, GF) and gaskets (BSC, BSF) (*1) (*2)			+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)	+12 (+0.47)
Grounding rings electrode type (GRP, GRT) (*1)			+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+36 (+1.42)	+36 (+1.42)
Grounding rings electrode type (GRP, GRT) and gaskets (BSC, BSF) (*1)			+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+42 (+1.65)	+42 (+1.65)
Grounding rings electrode type (GRP, GRT) with gaskets (GA, GC, GD, GF) (*1) (*2)			+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+28 (+1.10)	+36 (+1.42)	+36 (+1.42)
Grounding rings electrode type (GRP, GRT) with gaskets (GA, GC, GD, GF) and gaskets (BSC, BSF) (*1) (*2)			+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+34 (+1.34)	+42 (+1.65)	+42 (+1.65)

- *1: The lay length "L" includes the thickness of two gaskets which are supplied with the flowmeter. Be sure to always use the supplied gaskets.
Add the value above (which is the total of both ends including the supplied two gaskets) to the lay length "L" when selecting optional grounding rings with/without gaskets.
- *2: When the optional code GA, GC, GD, or GF is selected, two gaskets which are supplied with the flowmeter are changed to the gaskets selected by the optional code.
- *3: When 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.

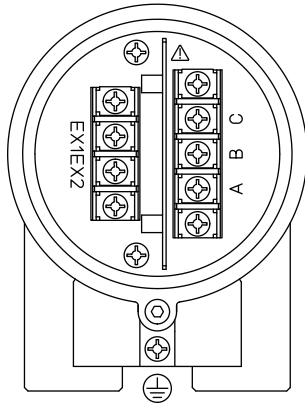
Terminal Configuration and Wiring

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

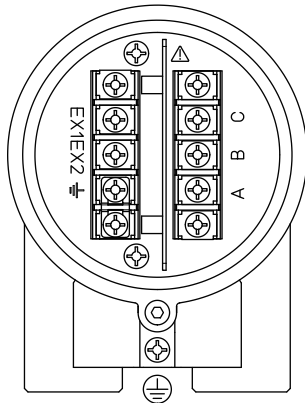
Remote Sensor:

<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

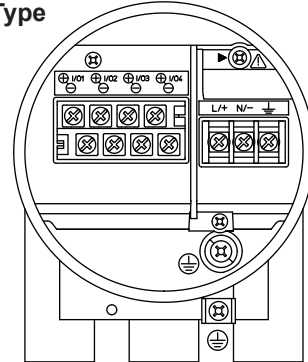
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Note: When optional code DHC is selected, waterproof glands with union joints and cables are attached.

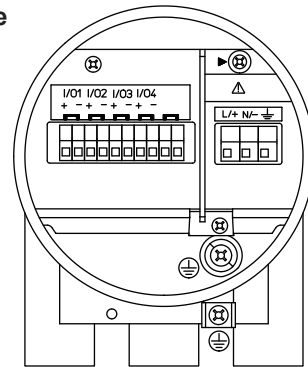
Integral Flowmeter:

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

M4 Screw Type



Clamp Type



Terminal Symbol	Description
▶	Shunting 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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