

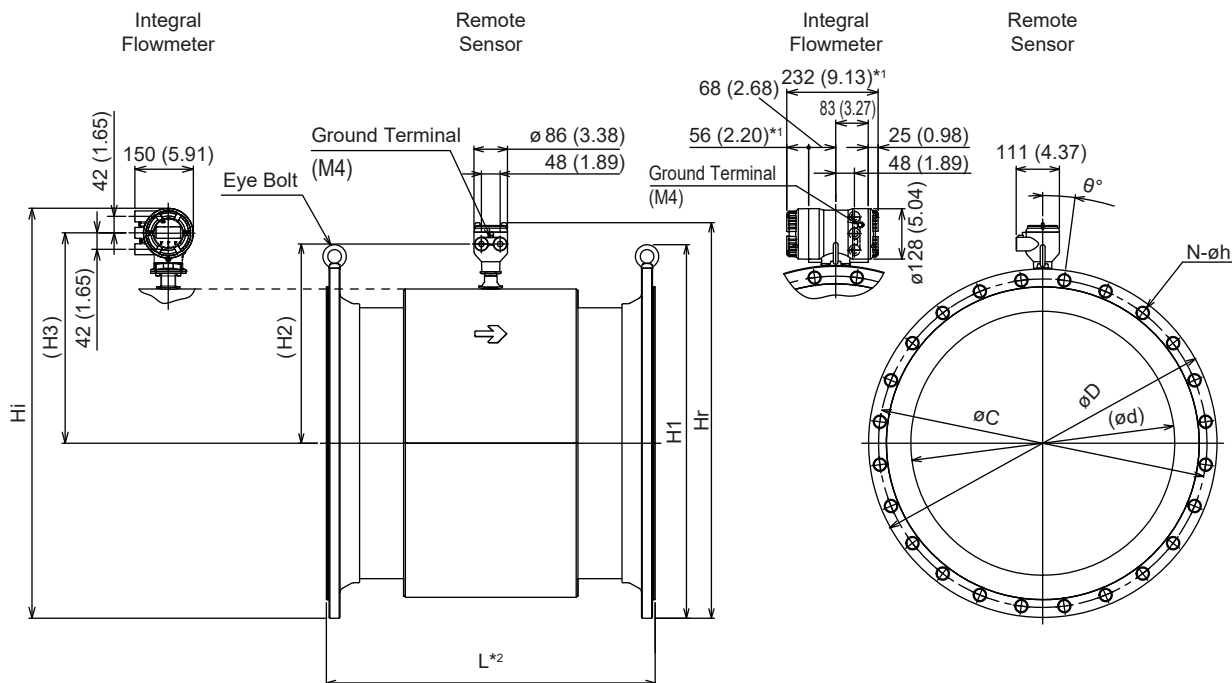
# Drawings

ADMAG TI Series  
AXW Magnetic Flowmeter  
[Size: 500 to 1000 mm (20 to 40 in.)]  
Flange AS2129 Table D (Process Connection Code CS1)



SD 01E25D11-06EN

Unit: mm (approx. in.)



\*1: This length becomes 21 mm (0.83 in.) shorter when indicator code N is selected.

\*2: The thickness of optional grounding rings (4mm per one) and customer supplied gaskets are not included in "L" here.

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|                    | Direction of Cable Entry |                                   |                                    |                                   |
|--------------------|--------------------------|-----------------------------------|------------------------------------|-----------------------------------|
|                    | Standard (0°)            | +90° rotation<br>Optional Code RA | +180° rotation<br>Optional Code RB | -90° rotation<br>Optional Code RC |
| Integral Flowmeter |                          |                                   |                                    |                                   |
| Remote Sensor      |                          |                                   |                                    |                                   |

\* The direction of cable entry changes as shown left depending on the designation of the optional code RA, RB, or RC.

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

**Model code:****AXW**  -  - **CS1N** - 

Unit: mm (approx. in.)

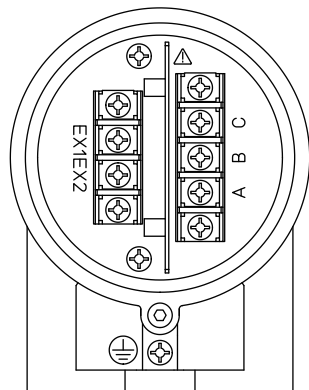
| Process Connection Code                           | CS1            |             |              |              |              |              |
|---------------------------------------------------|----------------|-------------|--------------|--------------|--------------|--------------|
| Flange Type                                       | AS2129 Table D |             |              |              |              |              |
| Size Code                                         | 500            | 600         | 700          | 800          | 900          | 10L          |
| Size                                              | 500 (20)       | 600 (24)    | 700 (28)     | 800 (32)     | 900 (36)     | 1000 (40)    |
| Lining Code                                       | H, F, U, D     |             |              |              |              |              |
| Lay Length L                                      | 600 (23.62)    | 720 (28.35) | 840 (33.07)  | 960 (37.80)  | 1080 (42.52) | 1200 (47.24) |
| Flange Outer Diameter øD                          | 705 (27.76)    | 825 (32.48) | 910 (35.83)  | 1060 (41.73) | 1175 (46.26) | 1255 (49.41) |
| Bolt Circle Diameter øC                           | 641 (25.24)    | 756 (29.76) | 845 (33.27)  | 984 (38.74)  | 1092 (42.99) | 1175 (46.26) |
| Inner Diameter ød                                 | Lining H, F, D | 477 (18.78) | 578 (22.76)  | 675 (26.57)  | 777 (30.59)  | 976 (38.43)  |
|                                                   | Lining U       | 469 (18.46) | 570 (22.44)  | 667 (26.26)  | 769 (30.28)  | 968 (38.11)  |
| Bolt Hole Pitch Half Angle θ                      | 11.3°          | 11.3°       | 9°           | 9°           | 7.5°         | 7.5°         |
| Bolt Hole Diameter øh                             | 26 (1.02)      | 30 (1.18)   | 30 (1.18)    | 36 (1.42)    | 36 (1.42)    | 36 (1.42)    |
| Number of Bolt Holes N                            | 16             | 16          | 20           | 20           | 24           | 24           |
| Height H1                                         | 765 (30.12)    | 885 (34.84) | 970 (38.19)  | 1131 (44.53) | 1265 (49.80) | 1345 (52.95) |
| Remote Sensor, Height H2                          | 408 (16.06)    | 459 (18.07) | 509 (20.04)  | 560 (22.05)  | 611 (24.06)  | 662 (26.06)  |
| Remote Sensor, Maximum Height Hr                  | 815 (32.09)    | 926 (36.46) | 1018 (40.08) | 1144 (45.04) | 1253 (49.33) | 1344 (52.91) |
| Inner Diameter of Eye Bolt                        | 35 (1.38)      | 35 (1.38)   | 35 (1.38)    | 40 (1.57)    | 50 (1.97)    | 50 (1.97)    |
| Remote Sensor, Approx. Weight, Unit: kg (lb) (*1) | 157 (346)      | 225 (496)   | 290 (639)    | 433 (977)    | 594 (1310)   | 728 (1605)   |
| Integral Flowmeter, Height H3                     | 438 (17.24)    | 489 (19.26) | 538 (21.20)  | 590 (23.21)  | 641 (25.24)  | 692 (27.25)  |
| Integral Flowmeter, Maximum Height Hi             | 854 (33.60)    | 965 (37.98) | 1056 (41.59) | 1183 (46.56) | 1292 (50.85) | 1383 (54.44) |
| Integral Flowmeter, Approx. Weight, Unit: kg (lb) | 160 (353)      | 228 (503)   | 293 (646)    | 436 (961)    | 597 (1316)   | 731 (1612)   |

\*1: 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.

## Terminal Configuration and Wiring

### Remote Sensor:

<To be wired to Remote Transmitter>



| Terminal Symbol | Description                                           |
|-----------------|-------------------------------------------------------|
| A<br>B<br>C     | Flow Signal Output                                    |
| EX1<br>EX2      | Excitation Current Input                              |
|                 | Protective Grounding<br>(Outside of the terminal box) |

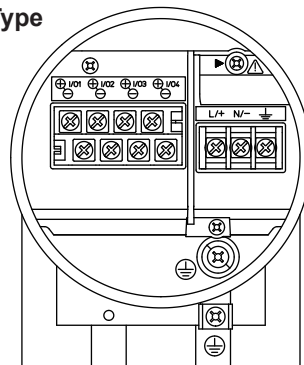
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Note: When submersible use or optional code DHC is selected, waterproof glands with union joints and cables are attached.

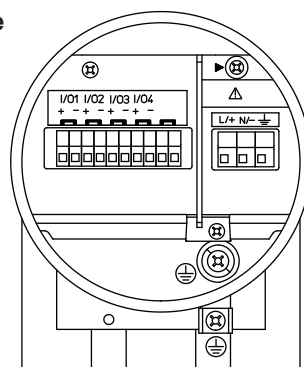
### Integral Flowmeter:

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

#### M4 Screw Type



#### Clamp Type



| Terminal Symbol                                                              | Description                                                      |
|------------------------------------------------------------------------------|------------------------------------------------------------------|
|                                                                              | Shorting Screw<br>(Need to be fixed for normal operation)        |
|                                                                              | Functional Grounding                                             |
| N/-<br>L/+                                                                   | Power Supply                                                     |
| I/O4 -<br>I/O4 +<br>I/O3 -<br>I/O3 +<br>I/O2 -<br>I/O2 +<br>I/O1 -<br>I/O1 + | Selected Input/Output                                            |
|                                                                              | Pulse/Status Output 1                                            |
|                                                                              | Current Output 1                                                 |
|                                                                              | Protective Grounding<br>(Inside and outside of the terminal box) |

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