Drawings

ADMAG TI Series
AXG Magnetic Flowmeter
Flange EN PN10

SD 01E22D02-04EN

Size 200 mm (8 in.)
AXG200
-●-●-●-●-●-A
Size Code
●=B, C, P

Process Connection Code
Lining Code

Integral Flowmeter
Remote Sensor

Ground Terminal

Unit: mm (approx. in.)

Size 250 to 400 mm (10 to 16 in.)
AXG250
AXG300
AXG350
AXG400
-●-●-●-●-●-●-A
Size Code
●=B, C, P

Process Connection Code
Lining Code

Integral Flowmeter
Remote Sensor

Ground Terminal

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

Size 500 mm (20 in.)
AXG500
-●-●-●-●-●-●-A
Size Code
●=B, C

Process Connection Code
Lining Code

Integral Flowmeter
Remote Sensor

Ground Terminal

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

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

<table>
<thead>
<tr>
<th>Standard (°)</th>
<th>+90° rotation</th>
<th>+180° rotation</th>
<th>-90° rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### Remote Sensor

- **Front Side**
- **Cable Entry**
- **Display**
- **Cable Entry**
- **Back Side**
- **Cable Entry**

### Integral Flowmeter

- **Cable Entry**
- **Display**
- **Cable Entry**
- **Display**

### Process Connection Code

<table>
<thead>
<tr>
<th>Model</th>
<th>Process Connection Code</th>
<th>BET</th>
<th>CE1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Unit: mm (approx. in.)

#### Remote Sensor

- **Size Code**: 200, 250, 300, 350, 400, 500
- **Size**: (8), (10), (12), (14), (16), (20)

#### Integral Flowmeter

- **Lining Code**: A, A, A, A, A, A
- **Lay Length**: (13.68), (17.54), (19.95), (21.48), (23.44), (24.44)
- **Flange Outer Diameter**: øD (13.39), (15.55), (17.52), (19.88), (22.24), (26.38)
- **Flange Thickness (incl. lining flare)**: t (1.08), (1.18), (1.14), (1.16), (1.16), (1.16)
- **Lining Inner Diameter**: ød (7.65), (9.55), (11.51), (12.73), (14.70), (18.07)
- **Bolt Circle Diameter**: øC (11.61), (13.78), (15.75), (18.11), (20.28), (24.41)
- **Bolt Hole Diameter**: øh (0.87), (0.87), (0.87), (0.87), (1.02), (1.02)
- **Maximum Height**: Hr (455), (513), (563), (614), (672), (791)
- **Approx. Weight, Unit: kg (lb)** (*2) (97, 1), (154, 5), (185, 4), (231, 8), (291, 4), (417, 2)

#### Grounding Rings

- **Grounding rings thin type (GRL, GRH, GRV)** (*1) (+0.08), (+0.16), (+0.16), (+0.16), (+0.16), (+0.16)
- **Grounding rings thick type (GRN, GRJ, GRW)** (*1) (+0.24), (+0.24), (+0.24), (+0.24), (+0.24), (+0.31)
- **Grounding rings electrode type (GRP, GRT)** (*1) (+1.34)
- **Grounding rings electrode type (GRP, GRT) with gaskets (GA, GC, GD)** (*1) (+1.57)

### Integral Flowmeter

- **Height**: H1 (338), (396), (445), (497), (554), (674)
- **Height**: H2 (168), (198), (223), (244), (272), (339)
- **Height**: H3 (446), (496), (568), (628), (680), (730)
- **Maximum Height**: Hr (17.91), (20.20), (22.15), (24.17), (26.44), (28.74)
- **Approx. Weight, Unit: kg (lb)** (*2) (97, 1), (154, 5), (185, 4), (231, 8), (291, 4), (417, 2)

### Grounding Rings

- **Grounding rings thin type (GRL, GRH, GRV)** (*1) (+0.08), (+0.16), (+0.16), (+0.16), (+0.16), (+0.16)
- **Grounding rings thick type (GRN, GRJ, GRW)** (*1) (+0.24), (+0.24), (+0.24), (+0.24), (+0.24), (+0.31)
- **Grounding rings electrode type (GRP, GRT)** (*1) (+1.34)
- **Grounding rings electrode type (GRP, GRT) with gaskets (GA, GC, GD)** (*1) (+1.57)

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*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.

*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
- 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

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

Explosion Protection Use

<table>
<thead>
<tr>
<th>Terminal Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Flow Signal Output</td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
</tr>
<tr>
<td>EX1</td>
<td>Excitation Current Input</td>
</tr>
<tr>
<td>EX2</td>
<td></td>
</tr>
<tr>
<td>N/-</td>
<td>Protective Grounding (Outside of the terminal box)</td>
</tr>
<tr>
<td>L/+</td>
<td>Functional Grounding</td>
</tr>
<tr>
<td>I/O4 -</td>
<td>Selected Input/Output</td>
</tr>
<tr>
<td>I/O4 +</td>
<td></td>
</tr>
<tr>
<td>I/O3 -</td>
<td></td>
</tr>
<tr>
<td>I/O3 +</td>
<td></td>
</tr>
<tr>
<td>I/O2 -</td>
<td></td>
</tr>
<tr>
<td>I/O2 +</td>
<td></td>
</tr>
<tr>
<td>I/O1 -</td>
<td></td>
</tr>
<tr>
<td>I/O1 +</td>
<td></td>
</tr>
<tr>
<td>Terminal Symbol</td>
<td>Description</td>
</tr>
<tr>
<td></td>
<td>Shorting Screw</td>
</tr>
<tr>
<td></td>
<td>(Need to be fixed for normal operation)</td>
</tr>
<tr>
<td></td>
<td>Functional Grounding</td>
</tr>
<tr>
<td></td>
<td>Power Supply</td>
</tr>
<tr>
<td></td>
<td>Selected Input/Output</td>
</tr>
<tr>
<td></td>
<td>Protective Grounding (Inside and outside of the terminal box)</td>
</tr>
</tbody>
</table>

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