Drawings

ADMAG TI Series
AXG Magnetic Flowmeter
Flange AS Table D

SD 01E22D02-09EN

Size 50 to 100 mm (2 to 4 in.)
AXG050
AXG080
AXG100

Size Code

Process Connection Code
Lining Code

Integral Flowmeter
Remote Sensor

Unit: mm (approx. in.)

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

Size 150 to 200 mm (6 to 8 in.)
AXG150
AXG200

Size Code

Process Connection Code
Lining Code

Integral Flowmeter
Remote Sensor

Unit: mm (approx. in.)

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

Size 250 to 400 mm (10 to 16 in.)
AXG250
AXG300
AXG350
AXG400

Size Code

Process Connection Code
Lining Code

Integral Flowmeter
Remote Sensor

Unit: mm (approx. in.)

*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

- **Standard (0°)** rotation
- **+90° rotation**
- **-90° rotation**

### Integral Flowmeter

#### Front Side

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

#### Back Side

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

### Remote Sensor

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

- **Back Side**
- **Cable Entry**

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

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### Table: Process Connection Code CS1

<table>
<thead>
<tr>
<th>Size Code</th>
<th>050</th>
<th>080</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>350</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>90</td>
<td>80</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>350</td>
<td>400</td>
</tr>
<tr>
<td>Lining Code</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Lay Length (*1) (*2)</td>
<td>198</td>
<td>198</td>
<td>248</td>
<td>298</td>
<td>348</td>
<td>398</td>
<td>448</td>
<td>498</td>
<td>548</td>
</tr>
<tr>
<td>Flange Outer Diameter øD</td>
<td>150</td>
<td>153</td>
<td>215</td>
<td>260</td>
<td>315</td>
<td>360</td>
<td>415</td>
<td>460</td>
<td>515</td>
</tr>
<tr>
<td>Flange Thickness (incl. lining flare) t</td>
<td>13.0</td>
<td>15.0</td>
<td>15.0</td>
<td>17.9</td>
<td>17.9</td>
<td>21.4</td>
<td>24.4</td>
<td>27.9</td>
<td>27.9</td>
</tr>
</tbody>
</table>
| Lining Inner Diameter øC | 73 | 73 | 97 | 145 | 194 | 243 |...

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### Table: Other Specifications

#### Remote Sensor

- **Integral Flowmeter**
- **Display**

#### Integral Flowmeter

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

- **Back Side**
- **Cable Entry**

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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**

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**Unit: mm (approx. in.)**
Terminal Configuration and Wiring

Remote Sensor:
<To be wired to Remote Transmitter>
Non Explosion Protection Use

![Diagram of Non Explosion Protection Use](F04.ai)

Explosion Protection Use

![Diagram of Explosion Protection Use](F05.ai)

<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><img src="F04.ai" alt="Protective Grounding" /></td>
<td>Protective Grounding (Outside of the terminal box)</td>
</tr>
<tr>
<td><img src="F04.ai" alt="Functional Grounding" /></td>
<td>Functional Grounding</td>
</tr>
</tbody>
</table>

**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

![Diagram of Integral Flowmeter M4 Screw Type](F05.ai)

Clamp Type

![Diagram of Integral Flowmeter Clamp Type](F05.ai)

**Terminal Symbol** | **Description**                  |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="F04.ai" alt="Shorting Screw" /></td>
<td>Shorting Screw (Need to be fixed for normal operation)</td>
</tr>
<tr>
<td><img src="F04.ai" alt="Functional Grounding" /></td>
<td>Functional Grounding</td>
</tr>
<tr>
<td>N/- L/+</td>
<td>Power Supply</td>
</tr>
<tr>
<td><img src="F04.ai" alt="Selected Input/Output" /></td>
<td>Selected Input/Output</td>
</tr>
<tr>
<td><img src="F04.ai" alt="Protective Grounding" /></td>
<td>Protective Grounding (Inside and outside of the terminal box)</td>
</tr>
</tbody>
</table>