**ADMAG TI Series**
**AXG Magnetic Flowmeter**
**Flange JIS 10K**

**SD 01E22D02-06EN**

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**Drawings**

**Size 2.5 to 15 mm (0.1 to 0.5 in.)**

<table>
<thead>
<tr>
<th>AXG002</th>
<th>AXG005</th>
<th>AXG010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Code</td>
<td>Process Connection Code</td>
<td>Lining Code</td>
</tr>
<tr>
<td>➤ B, D, P</td>
<td>➤</td>
<td>➤</td>
</tr>
</tbody>
</table>

**Size 25 to 125 mm (1 to 5 in.)**

<table>
<thead>
<tr>
<th>AXG025</th>
<th>AXG032</th>
<th>AXG040</th>
<th>AXG050</th>
<th>AXG065</th>
<th>AXG100</th>
<th>AXG125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Code</td>
<td>Process Connection Code</td>
<td>Lining Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>➤ B, C, P</td>
<td>➤</td>
<td>➤</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Size 150 to 200 mm (6 to 8 in.)**

<table>
<thead>
<tr>
<th>AXG150</th>
<th>AXG200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Code</td>
<td>Process Connection Code</td>
</tr>
<tr>
<td>➤ B, C, P</td>
<td>➤</td>
</tr>
</tbody>
</table>

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

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**Unless otherwise specified, difference in the dimensions are specified as: General tolerance ± (Criteria of tolerance class IT18 in JIS B0401-1) / 2**
Size 250 to 400 mm (10 to 16 in.)

**AXG250**
**AXG300**
**AXG350**
**AXG400**

| Size Code | B, C, P |

Integral Flowmeter  | Remote Sensor

- Process Connection Code
- Lining Code

**AXG250**
**AXG300**
**AXG350**
**AXG400**

| =B, C, P |

Unit: mm (approx. in.)

- **Integral Flowmeter**
- **Ground Terminal**
- **Eye Bolt**
- **Display**
- **Remote Sensor**

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

**Direction of Cable Entry**

<table>
<thead>
<tr>
<th>Standard (0°)</th>
<th>+90° rotation</th>
<th>-90° rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integral Flowmeter</td>
<td>Display Cable Entry</td>
<td>Display Cable Entry</td>
</tr>
<tr>
<td>Remote Sensor</td>
<td>Front Side Cable Entry</td>
<td>Back Side Cable Entry</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.
### Grounding rings

- **Grounding rings thick type (GR, GRH, GRV)**
  - Size: 002 to 005
  - Bolt Hole Diameter: 8° +10
  - Bolt Hole Diameter: ø (0.59) (0.59) (0.59)
  - Flange Thickness (incl. lining flare): 0.3
  - Bolt Circle Diameter: 87.7 (13.7)
  - Interval: 2 (1.08)
  - Height Hr: 143 (17.3)
  - Number of Bolt Holes: 4
  - Lay Length L*: 164 (19.2)
  - Thickness: +10
  - Minimum Diameter øD (mm): 15
  - Maximum Diameter øD (mm): 200
  - Minimum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Maximum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Minimum Interval A A A A A A A A A A A A A A A A A A A A A
  - Maximum Interval A A A A A A A A A A A A A A A A A A A A A
  - Minimum Bolt Diameter ø (mm): 6
  - Maximum Bolt Diameter ø (mm): 25

- **Grounding rings thin type (GRN, GRJ, GRW)**
  - Size: 025 to 032
  - Bolt Hole Diameter: 8° +10
  - Bolt Hole Diameter: ø (0.59) (0.59) (0.59)
  - Flange Thickness (incl. lining flare): 0.3
  - Bolt Circle Diameter: 87.7 (13.7)
  - Interval: 2 (1.08)
  - Height Hr: 143 (17.3)
  - Number of Bolt Holes: 4
  - Lay Length L*: 164 (19.2)
  - Thickness: +10
  - Minimum Diameter øD (mm): 15
  - Maximum Diameter øD (mm): 200
  - Minimum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Maximum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Minimum Interval A A A A A A A A A A A A A A A A A A A A A
  - Maximum Interval A A A A A A A A A A A A A A A A A A A A A
  - Minimum Bolt Diameter ø (mm): 6
  - Maximum Bolt Diameter ø (mm): 25

### Remote Integral Flowmeter

- **Remote Sensor Integral Flowmeter**
  - Number of Bolt Holes: 4
  - Bolt Hole Diameter: ø (0.59) (0.59) (0.59)
  - Flange Thickness (incl. lining flare): 0.3
  - Bolt Circle Diameter: 87.7 (13.7)
  - Interval: 2 (1.08)
  - Height Hr: 143 (17.3)
  - Minimum Diameter øD (mm): 15
  - Maximum Diameter øD (mm): 200
  - Minimum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Maximum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Minimum Interval A A A A A A A A A A A A A A A A A A A A A
  - Maximum Interval A A A A A A A A A A A A A A A A A A A A A
  - Minimum Bolt Diameter ø (mm): 6
  - Maximum Bolt Diameter ø (mm): 25

### Grounding rings with/without gaskets

- **Grounding rings thick type (GR, GRH, GRV)**
  - Size: 002 to 005
  - Bolt Hole Diameter: 8° +10
  - Bolt Hole Diameter: ø (0.59) (0.59) (0.59)
  - Flange Thickness (incl. lining flare): 0.3
  - Bolt Circle Diameter: 87.7 (13.7)
  - Interval: 2 (1.08)
  - Height Hr: 143 (17.3)
  - Number of Bolt Holes: 4
  - Lay Length L*: 164 (19.2)
  - Thickness: +10
  - Minimum Diameter øD (mm): 15
  - Maximum Diameter øD (mm): 200
  - Minimum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Maximum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Minimum Interval A A A A A A A A A A A A A A A A A A A A A
  - Maximum Interval A A A A A A A A A A A A A A A A A A A A A
  - Minimum Bolt Diameter ø (mm): 6
  - Maximum Bolt Diameter ø (mm): 25
  - Flange Thickness (incl. lining flare): 0.3
  - Bolt Circle Diameter: 87.7 (13.7)
  - Interval: 2 (1.08)
  - Height Hr: 143 (17.3)
  - Number of Bolt Holes: 4
  - Lay Length L*: 164 (19.2)
  - Thickness: +10
  - Minimum Diameter øD (mm): 15
  - Maximum Diameter øD (mm): 200
  - Minimum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Maximum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Minimum Interval A A A A A A A A A A A A A A A A A A A A A
  - Maximum Interval A A A A A A A A A A A A A A A A A A A A A
  - Minimum Bolt Diameter ø (mm): 6
  - Maximum Bolt Diameter ø (mm): 25

### Additional weight for FM (USA) Flameproof (FF2, FJ2, FT2)

- **Flange Approx. Additional Weight, Unit: kg (lb)**
  - Size: 25 to 300
  - Flange Thickness (incl. lining flare): 0.3
  - Bolt Circle Diameter: 87.7 (13.7)
  - Interval: 2 (1.08)
  - Height Hr: 143 (17.3)
  - Number of Bolt Holes: 4
  - Lay Length L*: 164 (19.2)
  - Thickness: +10
  - Minimum Diameter øD (mm): 15
  - Maximum Diameter øD (mm): 200
  - Minimum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Maximum Thickness A A A A A A A A A A A A A A A A A A A A A
  - Minimum Interval A A A A A A A A A A A A A A A A A A A A A
  - Maximum Interval A A A A A A A A A A A A A A A A A A A A A
  - Minimum Bolt Diameter ø (mm): 6
  - Maximum Bolt Diameter ø (mm): 25
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>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Flow Signal Output</td>
<td>Shorting Screw</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>(Need to be fixed for normal operation)</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>Functional Grounding</td>
</tr>
<tr>
<td>EX1</td>
<td>Excitation Current Input</td>
<td></td>
</tr>
<tr>
<td>EX2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Protective Grounding (Outside of the terminal box)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Functional Grounding</td>
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<tr>
<td>I/O4 -</td>
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<tr>
<td>I/O4 +</td>
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<td></td>
</tr>
<tr>
<td>I/O3 -</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I/O3 +</td>
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<td></td>
</tr>
<tr>
<td>I/O2 -</td>
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<tr>
<td>I/O2 +</td>
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</tr>
<tr>
<td>I/O1 -</td>
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<tr>
<td>I/O1 +</td>
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Note: When submersible use or optional code DHC is selected, waterproof glands with union joints and cables are attached.