Drawings

ADMAG TI Series
AXG Magnetic Flowmeter
Flange ASME Class 150

SD 01E22D02-01EN

Size 2.5 to 15 mm (0.1 to 0.5 in.)
AXG002
AXG005
AXG010
AXG015

Size Code
Size Code

B, P

Process
Connection

Code
Lining Code

Ground Terminal
Ground Terminal

232 (9.13)"1
56 (2.20)"1

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

Size 25 to 125 mm (1 to 5 in.)
AXG025
AXG032
AXG040
AXG050
AXG065
AXG100
AXG125

Size Code
Size Code

B, P

Process
Connection

Code
Lining Code

Ground Terminal
Ground Terminal

232 (9.13)"1
56 (2.20)"1

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
Size Code

B, C, P

Process
Connection

Code
Lining Code

Ground Terminal
Ground Terminal

232 (9.13)"1
56 (2.20)"1

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
Size 250 to 400 mm (10 to 16 in.)

AXG250
AXG300
AXG350
AXG400

Size Code
= B, C, P

Integral Flowmeter
Remote Sensor

Integral Flowmeter
Remote Sensor

Unit: mm (approx. in.)

AXG250
AXG300
AXG350
AXG400

Size Code
= B, C, P

Ground Terminal
(M4)

56 (2.20)*1
232 (9.13)*1

Display Code
Lining Code
Size Code

150 (5.91)

Eye Bolt
H1

113 (4.45)

θ˚

Ground Terminal
(M4)

ø91 (3.58)

ø128 (5.04)

øC

øD

113 (4.45)

N-øh

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>+180° rotation</th>
<th>-90° rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integral Flowmeter</td>
<td>Display</td>
<td>Cable Entry</td>
<td>Display</td>
</tr>
<tr>
<td>Remote Sensor</td>
<td>Front Side</td>
<td>Cable Entry</td>
<td>Back Side</td>
</tr>
</tbody>
</table>

*1: The direction of cable entry changes as shown above depending on the designation of the optional code RH with its rotational specification.
<table>
<thead>
<tr>
<th>Model</th>
<th>Process Connection Code</th>
<th>BA1</th>
<th>BA1</th>
<th>BA1</th>
<th>CA1</th>
<th>CA1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Code</td>
<td>002</td>
<td>005</td>
<td>010</td>
<td>015</td>
<td>020</td>
<td>025</td>
</tr>
<tr>
<td>Size</td>
<td>0.1</td>
<td>0.2</td>
<td>0.3</td>
<td>0.4</td>
<td>0.5</td>
<td>0.6</td>
</tr>
<tr>
<td>Height</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Approx. Weight (Unit: kg)</td>
<td>6.1</td>
<td>6.1</td>
<td>6.1</td>
<td>6.4</td>
<td>6.4</td>
<td>6.7</td>
</tr>
<tr>
<td>Approx. Weight (Unit: lb)</td>
<td>13.5</td>
<td>13.5</td>
<td>13.5</td>
<td>14.1</td>
<td>14.1</td>
<td>14.8</td>
</tr>
<tr>
<td>Grounding rings type (GRN, GRJ, GRW)</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Grounding rings type (GRN, GRJ, GRW) (**)</td>
<td>+6</td>
<td>+6</td>
<td>+6</td>
<td>+6</td>
<td>+6</td>
<td>+6</td>
</tr>
<tr>
<td>Grounding rings type (GRN, GRJ, GRW) with gaskets (GA, GC, GD)</td>
<td>+10</td>
<td>+10</td>
<td>+10</td>
<td>+10</td>
<td>+10</td>
<td>+10</td>
</tr>
<tr>
<td>Grounding rings type (GRN, GRJ, GRW) with gaskets (GA, GC, GD) (**)</td>
<td>+12</td>
<td>+12</td>
<td>+12</td>
<td>+12</td>
<td>+12</td>
<td>+12</td>
</tr>
<tr>
<td>Grounding rings type (GRN, GRJ, GRW) with gaskets (GA, GC, GD) (***)</td>
<td>+15</td>
<td>+15</td>
<td>+15</td>
<td>+15</td>
<td>+15</td>
<td>+15</td>
</tr>
<tr>
<td>Grounding rings type (GRN, GRJ, GRW) with gaskets (GA, GC, GD) (**)</td>
<td>+18</td>
<td>+18</td>
<td>+18</td>
<td>+18</td>
<td>+18</td>
<td>+18</td>
</tr>
<tr>
<td>Grounding rings type (GRN, GRJ, GRW) with gaskets (GA, GC, GD) (***)</td>
<td>+20</td>
<td>+20</td>
<td>+20</td>
<td>+20</td>
<td>+20</td>
<td>+20</td>
</tr>
</tbody>
</table>

*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 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**

![Diagram of Non Explosion Protection Use](F06.ai)

**Explosion Protection Use**

![Diagram of Explosion Protection Use](F07.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>א</td>
<td>Protective Grounding (Outside of the terminal box)</td>
</tr>
<tr>
<td>אא</td>
<td>Functional Grounding</td>
</tr>
</tbody>
</table>

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

**M4 Screw Type**

![Diagram of M4 Screw Type](F06.ai)

**Clamp Type**

![Diagram of Clamp Type](F07.ai)

<table>
<thead>
<tr>
<th>Terminal Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#</td>
<td>Shorting Screw (Need to be fixed for normal operation)</td>
</tr>
<tr>
<td>אא</td>
<td>Functional Grounding</td>
</tr>
<tr>
<td>נ/ל</td>
<td>Power Supply</td>
</tr>
<tr>
<td>I/O4 -</td>
<td></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>אא</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.