The RPM level sensor is designed for use in the chemical, oil, shipping, food processing, waste treatment, and many other industries. Each RPM is manufactured to the users specifications making it fit to work precisely according to the application requirements.

**Features**

- Continuous level indication
- Rugged and highly reliable
- Anti-stick float design
- Resistive chain or loop powered 4-20 mA output
- Hazardous location approvals - Explosion proof / Intrinsically safe
RPM Specifications

**Performance**

- **Resolution:**
  - Standard: 13 mm (0.5 in.)
  - High: 7 mm (0.25 in.)
- **Maximum Pressure:** 72.5 psi (5 bar)

**Environmental**

- **IP65**

**Certification**

- **CSA Explosion Proof:**
  - Class I, Zone 1, Ex d, IIB T3
  - Class I, Zone 1, AEx d, IIB T3
  - 0-24 VDC output
    - Class I, Division 1; Groups C & D
    - -40°C ≤ T_{amb} ≤ +40°C
    - Class I, Division 2; Groups C & D
    - -40°C ≤ T_{amb} ≤ +85°C
  - 4-20 mA output
    - Class I, Division 1; Groups C & D
    - -40°C ≤ T_{amb} ≤ +40°C
    - Class I, Division 2; Groups C & D
    - -40°C ≤ T_{amb} ≤ +85°C
- **CSA Intrinsically Safe:**
  - 4-20 mA output
    - Class I, Division 1; Groups C & D
    - -40°C ≤ T_{amb} ≤ +85°C
- **ATEX Intrinsically Safe:**
  - 4-20 mA output
    - Ex II 1G Ex ia IIB T3 Ga
    - -40°C ≤ T_{amb} ≤ +40°C

**Connectivity**

- **Output:**
  - 4-20 mA or Voltage (See Options)

**Electrical**

- **Supply Voltage:**
  - Voltage Output: 0-24 VDC
  - 4-20 mA Output: 12-24 VDC

**Physical**

- **Housing:** Cast aluminum
- **Stem:** 316L SS
- **Stem Length:** 122 to 610 cm (48 to 240 in.)
- **Float Material:**
  - Polyurethane, 8 in. OD (0.44 SG)
  - 316L SS, 5 in. OD (0.5 SG)
- **Cable Entry:** 3/4 in. NPT
Model Configuration Options

Model Number: RPM - _____ - _____ - _____ - _____ - _____ - _____ - _____

A. Probe Length
   _____ Specify in inches

B. Logo Designation
   □ A  APG (Default)
   □ B  Custom (minimum quantities apply)

C. Float
   □ N  No Float
   □ F  Polyurethane float with designated logo (0.44 SG, 8" OD)
   □ S  316 SS float (0.5 SG, 5" OD)
   □ C  Custom float (minimum quantities apply)

D. Output Signal/Hazard Rating
   □ EX1  0-24 VDC (resistive) with EX approval (Class 1, Div. 1)
   □ IS  4-20 mA with IS and EX approval (Class 1, Div. 1)
   □ ISr  20-4 mA with IS and EX approval (Class 1, Div. 1)
   □ AIS  4-20 mA with ATEX approval (Ex ll 1G EX ia IIB T3 Ga and Class 1, Div. 1 ia)
           CSA, IS, Class 1 Division 1

E. Custom Wiring
   □ 000  None
   □ 001  T&B 2531 strain relief
   □ 2xx  Custom cable

F. Resolution/Deadband S1, S2
   □ 02 1/2" resolution, top deadband (S1) = 8 inches, bottom deadband (S2) = 5 inches
   □ 03 1/2" resolution, top deadband (S1) = 8 inches, bottom deadband (S2) = 4 inches
   □ 04 1/2" resolution, top deadband (S1) = 1/2 float H, bottom deadband (S2) = 1/2 float H
   □ 12 1/4" resolution, top deadband (S1) = 8 inches, bottom deadband (S2) = 5 inches
   □ 13 1/4" resolution, top deadband (S1) = 8 inches, bottom deadband (S2) = 4 inches
   □ 14 1/4" resolution, top deadband (S1) = 1/2 float H, bottom deadband (S2) = 1/2 float H

G. Mounting (Optional)
   □ 00  None
   □ 0Ax  Flat faced ANSI flange 316L SS (Specify size in ordering code: x=2", 3", 4", 5", or 6")
   □ 1Ax  Raised face ANSI flange 316L SS (Specify size in ordering code: x=2", 3", 4", 5", or 6")
   □ 4Tx  NPT plug mounted outside of tank 316L SS (Specify size in ordering code: x=2" or 3")

RPM Accessories

Please order separately by part number.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>135414</td>
<td>Float stop</td>
</tr>
<tr>
<td>135396</td>
<td>Bottom bracket</td>
</tr>
<tr>
<td>125603</td>
<td>Right angle bracket pipe clamp</td>
</tr>
<tr>
<td>110368</td>
<td>5 in. 316 SS float, 0.5 in. resolution, 0.5 SG</td>
</tr>
<tr>
<td>110367</td>
<td>5 in. 316 SS float, 0.25 in. resolution, 0.5 SG</td>
</tr>
<tr>
<td>125312</td>
<td>8 in. polyurethane float, 0.5 in. resolution, 0.44 SG</td>
</tr>
<tr>
<td>125620</td>
<td>8 in. polyurethane float, 0.25 in. resolution, 0.44 SG</td>
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