SIMPLICITY AT ITS BEST
WITH CONSISTENT RESULTS
Pulse Point™ II Series models sense when a material reaches or leaves a particular point. These point level switches use electronic vibratory technology to sense the material. This mechanical operation is not affected by the dielectric constant of the material being measured.

FEATURES AND BENEFITS
• Universal Input Power provides flexibility.
• Adjustable Time Delay allows the user to determine time between sensing material and the alarm state. Advanced units can permit delays when it detects the presence and absence of material or a combination.
• Sensitivity Settings can be selected to fit specific applications and material requirements.
• To avoid false readings, the Pulse Point II features Build-Up Detection to detect when material is beginning to build up on the forks.
• Move electronics up to 100 ft (30 m) away with the Remote Option.
• Available on Advanced units only, Liquid/Solid Interface feature can detect solids under a liquid surface.
• Standard and Advanced offering enables the user to choose the option that best suits the application.
• Frame designed to enable connection flexibility:
  Imperial or Metric conduit entry options
  Process Fitting can be made to fit any connection.

STANDARD VS. ADVANCED UNITS

<table>
<thead>
<tr>
<th></th>
<th>STANDARD</th>
<th>ADVANCED</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Sensitivity Settings</td>
<td>6 Sensitivity Settings</td>
<td></td>
</tr>
<tr>
<td>Time Delay up to 6 seconds</td>
<td>Time Delay up to 150 seconds</td>
<td></td>
</tr>
<tr>
<td>Universal Power</td>
<td>Universal Power</td>
<td></td>
</tr>
<tr>
<td>Test FOB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Push Button Test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indicator Lights</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auxiliary Relay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liquid/Solid Interface (Optional)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Build-up Detection</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Pulse Point™ II Fork**

### PULSE POINT II - STANDARD

- **Sensitivity Options**
  1 = Standard  
  2 = Liquid/Solid (Note 2)

- **Tuning Fork**
  1 = 316 Stainless steel  
  2 = 316 Stainless steel - Teflon® coated

- **Process Fitting (Other custom fittings available, consult factory)**
  C2 = Stainless Steel, NPT 1-1/4”  
  D2 = Stainless Steel, NPT 1-1/2”

- **Basic Unit**
  G = 1/4” NPT Conduit Entry with Ordinary Location Approval  
  GM = M20 x 1.5” Conduit Entry with Ordinary Location Approval

- **Electronics**
  A = Advanced  
  R = Remote Probe Only (Remote electronics need to be ordered separately)  
  S = Standard

- **Pulse Point II (Note 1)**
  Notes:  
  1. Units have Powder Coated Aluminum Housing Finish.  
  2. Available on Advanced Units only.

### DIMENSIONAL DRAWING - STANDARD

*Additional drawings available at www.bindicator.com*
PULSE POINT II - EXTENSIONS

Extension Length (Note 4)
- Standard Lengths - 6 in. increments
- Custom Lengths - 1 in. increments

Sensitivity Options
- 1 = Standard
- 2 = Liquid/Solid (Note 3)

Extension
- 3 = Pipe, Threaded 316 Stainless Steel
- 5 = All welded construction, 316 Stainless Steel

Tuning Fork
- 1 = 316 Stainless steel
- 2 = 316 Stainless steel - Teflon coated

Process Fitting
- C2 = 316 Stainless Steel NPT 1-1/4 in.
- D2 = 316 Stainless Steel NPT 1-1/2 in.

Basic Unit
- G = 3/4 in. NPT Conduit Entry with UL General Purpose Approval
- GM = M20 x 1.5 in. Conduit Entry with UL General Purpose Approval

Electronics
- A = Advanced
- R = Remote Probe Only
- S = Standard

Pulse Point II (Notes 1, 2)

Notes:
- 1. Units have powder coated aluminum Housing Finish.
- 2. Extension units will only use 1-1/4" fork size.
- 3. Available on Advanced units only.
- 4. Maximum extension length is 180 in. (4.6 m), minimum length is 3 in. (7.6 cm). Length cannot be zero.

ELECTRONICS REMOTE

Sensitivity Options
- 1 = Standard
- 2 = Liquid/Solid (Note 1)

Housing Finish
- A = Powder Coated Aluminum
- C = Epoxy Painted Aluminum
- D = Anodized Aluminum

Base Unit
- R = 3/4” NPT Conduit Entry with Ordinary Location Approval

Electronics
- A = Advanced
- S = Standard

Pulse Point II Remote - Electronics

Note 1: Liquid/Solid Interface is available with Advanced Electronics only.

REMOTE DIMENSIONS
## SPECIFICATIONS

### FUNCTIONAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements Universal</td>
<td>Universal (± 10%), 120-240 VAC 50/60 Hz or 24-48 VDC</td>
</tr>
<tr>
<td>Power Consumption - STANDARD</td>
<td>10 W AC; 3 W DC</td>
</tr>
<tr>
<td>Power Consumption - ADVANCED</td>
<td>11 W AC; 4 W DC</td>
</tr>
<tr>
<td>Fuse</td>
<td>Fast Blow, 1 A 300 V (Not User Serviceable)</td>
</tr>
<tr>
<td>Operating Temperature Electronics</td>
<td>-40° to 158° F (-40° to 70° C)</td>
</tr>
<tr>
<td>Fork</td>
<td>-55° to 302° F (-48° to 150° C) depending on fork</td>
</tr>
<tr>
<td>Outputs</td>
<td>Main Relay 8 A DPDT @ 240 VAC or 30 VDC (resistive)</td>
</tr>
<tr>
<td></td>
<td>Auxiliary Relay - ADVANCED Only 0.46 A SPDT @ 150 VAC or 1 A @ 30 VDC</td>
</tr>
</tbody>
</table>

### PERFORMANCE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Rating</td>
<td>150 psi (10.5 kg/cm²) with 1-1/8” NPT; 5 psi (0.35 kg/cm²) with mounting plate</td>
</tr>
<tr>
<td>Time Delay - STANDARD</td>
<td>Field Adjustable; 1 - 6 seconds</td>
</tr>
<tr>
<td>Time Delay - ADVANCED</td>
<td>Field Adjustable; 0 - 150 seconds</td>
</tr>
<tr>
<td>Fail Safe</td>
<td>Field Selectable; high/low level</td>
</tr>
<tr>
<td>Sensitivity - STANDARD</td>
<td>Minimum 2.0 lbs/ft³ (32 kg/m³); Field Adjustable</td>
</tr>
<tr>
<td>Sensitivity - ADVANCED</td>
<td>Minimum 0.5 lbs/ft³ (8 kg/m³); Field Adjustable</td>
</tr>
<tr>
<td>Maximum Particle Size</td>
<td>3/8” (9.5 mm)</td>
</tr>
</tbody>
</table>

### PHYSICAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Material</td>
<td>Polyester, Epoxy Coated Aluminum, or 304 SS</td>
</tr>
<tr>
<td>Fork Material</td>
<td>316 SS (standard); 316 SS with Teflon® coating</td>
</tr>
<tr>
<td>Dual Conduit Entry</td>
<td>1/2” NPT or M20 x 1.5</td>
</tr>
<tr>
<td>Mounting Plate Material</td>
<td>Mild Steel, 304 SS</td>
</tr>
<tr>
<td>Extended Pipe Material</td>
<td>Galvanized or 316 SS</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>Integral, non-extended 10 lb (4.5 kg)</td>
</tr>
</tbody>
</table>

### AGENCY APPROVALS

**UL (US and Canada)**
- Ordinary Location, Type 4X; IP66

**CE**
- Electromagnetic Compatibility Directive
- Low Voltage Directive