

# PRODUCT SELECTION GUIDE

## POINT LEVEL



Simple and effective tools to alert when inventory has reached a high or low point in a vessel

## CONTINUOUS LEVEL




Inventory management systems that provide accurate, up-to-the-minute estimates of vessel contents

## MATERIAL MANAGEMENT



Tools to detect and aid material management including flow/no flow status, flow compaction, and dust detection

# POINT LEVEL

| | ROTARY | CAPACITANCE PROBE | VIBRATING ROD | TILT SWITCH | DIAPHRAGM SWITCH |
|---|---|---|---|---|---|
| **Material** | | | | | |
| Powder | √ | √ | √ | √ | |
| Granular | √ | √ | √ | √ | √ |
| Slurry | ◊ | ◊ | | | |
| Liquid | | √ | ◊ | | |
| **Material Density** | | | | | |
| Low | √ | ◊ | ◊ | √ | √ |
| High | √ | √ | √ | √ | √ |
| **Material Moisture** | | | | | |
| Low | √ | ◊ | √ | √ | √ |
| High | √ | √ | | √ | |
| **Temperature** | | | | | |
| High | ◊ | ◊ | ◊ | | |
| **Pressure** | | | | | |
| Atmospheric | √ | √ | √ | √ | √ |
| Low | √ | √ | √ | √ | |
| Medium | | ◊ | √ | √ | |
| **Vibration** | | | | | |
| Low | √ | √ | √ | √ | √ |
| High | ◊ | ◊ | | √ | √ |
| **Material Coating** | | | | | |
| Minimal | √ | √ | √ | √ | |
| Heavy Buildup | | ◊ | | √ | |
| **Corrosive** | | | | | |
| Low | √ | √ | √ | √ | √ |
| High | ◊ | √ | √ | | √ |
| **Installation** | | | | | |
| Top Mounted | √ | √ | √ | √ | |
| Side Mounted | √ | √ | √ | | √ |
| Constrained Spaces | ◊ | ◊ | ◊ | | |
| **Environment** | | | | | |
| Dust | √ | √ | √ | √ | √ |
| Steam | | | ◊ | | |
| Vapor | √ | √ | ◊ | √ | √ |
| Sanitary | ◊ | ◊ | ◊ | | |
| **Hazloc Approvals** | | | | | |
| CSA | ◊ | ◊ | ◊ | ◊ | ◊ |
| ATEX | ◊ | | | | |

*Suitable Application* √
*Select Models* ◊

# CONTINUOUS LEVEL

| | 3D LEVEL SCANNER | NON-CONTACT RADAR | SMARTBOB | LASER | GUIDED WAVE RADAR | SMARTSONIC ULTRASONIC | SMARTWAVE RADAR |
|---|---|---|---|---|---|---|---|
| **Technology** | | | | | | | |
| Contact | | | √ | | √ | | |
| Non-Contact | √ | √ | | √ | | √ | √ |
| **Material** | | | | | | | |
| Powder | √ | √ | √ | ◊ | √ | | |
| Granular | √ | √ | √ | √ | √ | ◊ | ◊ |
| Slurry | | √ | √ | √ | √ | √ | √ |
| Liquid | | √ | √ | ◊ | √ | √ | √ |
| **Material Density** | | | | | | | |
| Low | √ | ◊ | √ | √ | √ | √ | |
| High | √ | √ | √ | √ | √ | √ | √ |
| **Material Moisture** | | | | | | | |
| Low | √ | √ | √ | √ | √ | √ | |
| High | √ | √ | √ | | √ | √ | √ |
| **Temperature** | | | | | | | |
| High | ◊ | ◊ | ◊ | | √ | ◊ | |
| **Pressure** | | | | | | | |
| Atmospheric | √ | √ | √ | √ | √ | √ | √ |
| Low | √ | √ | √ | √ | √ | | √ |
| Medium | √ | √ | ◊ | √ | √ | | |
| **Vibration** | | | | | | | |
| Low | √ | √ | √ | √ | √ | | |
| High | | ◊ | ◊ | | √ | | |
| **Material Coating** | | | | | | | |
| Minimal | √ | √ | √ | √ | √ | √ | √ |
| Heavy Buildup | √ | √ | √ | √ | | | √ |
| **Corrosive** | | | | | | | |
| Low | √ | √ | ◊ | √ | √ | √ | √ |
| High | √ | ◊ | | √ | | √ | √ |
| **Installation** | | | | | | | |
| Top Mounted | √ | √ | √ | √ | √ | √ | √ |
| Side Mounted | | | ◊ | | | | |
| Narrow Silos | | √ | | √ | | | |
| **Environment** | | | | | | | |
| Dust | √ | √ | √ | | √ | | |
| Steam | | √ | √ | | √ | | √ |
| Vapor | | √ | √ | | √ | | √ |
| Sanitary | | √ | | | | ◊ | |
| **Hazloc Approvals** | | | | | | | |
| CSA | √ | ◊ | √ | | ◊ | | |
| ATEX | √ | ◊ | | | ◊ | | |
| **Data Monitoring** | | | | | | | |
| Binventory | ◊ | √ | √ | | √ | √ | √ |
| BinView | ◊ | √ | √ | | √ | √ | √ |

*Suitable Application* √
*Select Models* ◊

# MATERIAL MANAGEMENT

| | FLOW DETECT | DUST DETECT | PARTICULATE MONITOR | AERATION |
|---|---|---|---|---|
| **Material** | | | | |
| Powder | √ | √ | √ | √ |
| Granular | √ | | √ | |
| Slurry | | | | |
| Liquid | | | | |
| **Material Density** | | | | |
| Low | √ | √ | √ | √ |
| High | √ | | √ | |
| **Material Moisture** | | | | |
| Low | √ | √ | √ | √ |
| High | √ | | √ | |
| **Temperature** | | | | |
| High | | | ◊ | |
| **Pressure** | | | | |
| Atmospheric | √ | √ | √ | √ |
| Low | √ | √ | √ | |
| Medium | | | | |
| **Vibration** | | | | |
| Low | | √ | √ | √ |
| High | | | | |
| **Material Coating** | | | | |
| Minimal | √ | | √ | √ |
| Heavy Buildup | | | √ | |
| **Corrosive** | | | | |
| Low | √ | | √ | √ |
| High | √ | | √ | |
| **Installation** | | | | |
| Top Mounted | √ | √ | √ | |
| Side Mounted | √ | √ | √ | √ |
| Constrained Spaces | | | | |
| **Environment** | | | | |
| Dust | √ | √ | √ | √ |
| Steam | | | | |
| Vapor | | | √ | |
| Sanitary | | | | |
| **Hazloc Approvals** | | | | |
| CSA | ◊ | | ◊ | |
| ATEX | ◊ | | | |

*Suitable Application* √
*Select Models* ◊