



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 | ◇ | | | |