



## **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 |
|--------------------------|--------|-------------------|---------------|-------------|------------------|
| <b>Material</b>          |        |                   |               |             |                  |
| Powder                   | √      | √                 | √             | √           |                  |
| Granular                 | √      | √                 | √             | √           | √                |
| Slurry                   | ◇      | ◇                 |               |             |                  |
| Liquid                   |        | √                 | ◇             |             |                  |
| <b>Material Density</b>  |        |                   |               |             |                  |
| Low                      | √      | ◇                 | ◇             | √           | √                |
| High                     | √      | √                 | √             | √           | √                |
| <b>Material Moisture</b> |        |                   |               |             |                  |
| Low                      | √      | ◇                 | √             | √           | √                |
| High                     | √      | √                 |               | √           |                  |
| <b>Temperature</b>       |        |                   |               |             |                  |
| High                     | ◇      | ◇                 | ◇             |             |                  |
| <b>Pressure</b>          |        |                   |               |             |                  |
| Atmospheric              | √      | √                 | √             | √           | √                |
| Low                      | √      | √                 | √             | √           |                  |
| Medium                   |        | ◇                 | √             | √           |                  |
| <b>Vibration</b>         |        |                   |               |             |                  |
| Low                      | √      | √                 | √             | √           | √                |
| High                     | ◇      | ◇                 |               | √           | √                |
| <b>Material Coating</b>  |        |                   |               |             |                  |
| Minimal                  | √      | √                 | √             | √           |                  |
| Heavy Buildup            |        | ◇                 |               | √           |                  |
| <b>Corrosive</b>         |        |                   |               |             |                  |
| Low                      | √      | √                 | √             | √           | √                |
| High                     | ◇      | √                 | √             |             | √                |
| <b>Installation</b>      |        |                   |               |             |                  |
| Top Mounted              | √      | √                 | √             | √           |                  |
| Side Mounted             | √      | √                 | √             |             | √                |
| Constrained Spaces       | ◇      | ◇                 | ◇             |             |                  |
| <b>Environment</b>       |        |                   |               |             |                  |
| Dust                     | √      | √                 | √             | √           | √                |
| Steam                    |        |                   | ◇             |             |                  |
| Vapor                    | √      | √                 | ◇             | √           | √                |
| Sanitary                 | ◇      | ◇                 | ◇             |             |                  |
| <b>Hazloc Approvals</b>  |        |                   |               |             |                  |
| CSA                      | ◇      | ◇                 | ◇             | ◇           | ◇                |
| ATEX                     | ◇      |                   |               |             |                  |

Suitable Application     √  
 Select Models             ◇

# CONTINUOUS LEVEL

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

Suitable Application √

Select Models ◇

# MATERIAL MANAGEMENT

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

Suitable Application     √  
 Select Models             ◇