

### **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	$\checkmark$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
Granular	$\checkmark$	$\checkmark$	$\sqrt{}$	$\sqrt{}$	$\checkmark$
Slurry	$\Diamond$	$\Diamond$			
Liquid		$\sqrt{}$	$\Diamond$		
Material Density					
Low	$\sqrt{}$	$\Diamond$	$\Diamond$	$\sqrt{}$	$\sqrt{}$
High	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Material Moisture					
Low	$\sqrt{}$	$\Diamond$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
High	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$	
Temperature					
High	<b>♦</b>	$\Diamond$	$\Diamond$		
Pressure					
Atmospheric	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Low	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
Medium		$\Diamond$	$\sqrt{}$	$\sqrt{}$	
Vibration					
Low	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
High	$\Diamond$	$\Diamond$		$\sqrt{}$	$\sqrt{}$
Material Coating					
Minimal	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
Heavy Buildup		$\Diamond$		$\sqrt{}$	
Corrosive					
Low	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	V
High	$\Diamond$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$
Installation					
Top Mounted	$\sqrt{}$	$\sqrt{}$	√ 	$\sqrt{}$	
Side Mounted	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\checkmark$
Constrained Spaces	$\Diamond$	$\Diamond$	$\Diamond$		
Environment					
Dust	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Steam			$\Diamond$		
Vapor	$\sqrt{}$	$\sqrt{}$	$\Diamond$	$\sqrt{}$	$\sqrt{}$
Sanitary	<b>♦</b>	<b>♦</b>	$\Diamond$		
Hazloc Approvals					
CSA	<b>◊</b>	<b>♦</b>	$\Diamond$	$\Diamond$	<b>♦</b>
ATEX	$\Diamond$				

### **CONTINUOUS LEVEL**

	3D LEVEL SCANNER	NON-CONTACT RADAR	SMARTBOB	LASER	GUIDED WAVE RADAR	SMARTSONIC ULTRASONIC	SMARTWAVE RADAR
Technology							
Contact			V		V		
Non-Contact	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$		V	$\sqrt{}$
Material							
Powder	√	V		<b>◊</b>	√ 		
Granular	√	√ 	√ 	<b>√</b>	V	<b>◊</b>	<b>◊</b>
Slurry		<b>√</b>	<b>√</b>	√ ^	√ 	<b>V</b>	<b>√</b>
Liquid		٧	<b>√</b>	<b>♦</b>	<b>√</b>		<b>√</b>
Material Density Low	<b>√</b>	<b>♦</b>		ما		ما	
Low High	V √	${}$	√	√ √			
Material Moisture	٧	v	<b>V</b>	V	V	V	V
Low	V	V			V	V	
High	<b>√</b>		$\sqrt{}$		· √	√	
Temperature							
High	$\Diamond$	$\Diamond$	$\Diamond$		V	$\Diamond$	
Pressure							
Atmospheric	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Low	V	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	V		$\sqrt{}$
Medium	$\sqrt{}$	$\sqrt{}$	$\Diamond$	$\sqrt{}$	$\sqrt{}$		
Vibration	,	,	1		1		
Low	√	$\sqrt{}$	√ ^	<b>√</b>	<b>√</b>		
High		<b>♦</b>	<b>◊</b>		V		
Material Coating  Minimal	.1	.1	.1	.1	.1	.1	.1
Heavy Buildup	√ √	√ √	√ √	<b>N</b>	V	ν	N
Corrosive	V	V	V	V			V
Low	V		$\Diamond$				
High	<b>√</b>	<b>→</b>	v		<u>'</u>	V	V
Installation	·	•		<u> </u>		<u> </u>	<u> </u>
Top Mounted	$\sqrt{}$	$\sqrt{}$	V	$\sqrt{}$	V	V	V
Side Mounted			$\Diamond$				
Narrow Silos		$\sqrt{}$		$\sqrt{}$			
Environment					,		
Dust	$\sqrt{}$	V	$\sqrt{}$				
Steam		$\sqrt{}$	V		$\sqrt{}$		$\sqrt{}$
Vapor		V	V		$\sqrt{}$	^	V
Sanitary		٧				<b>♦</b>	
Hazloc Approvals	ما	^			^		
CSA ATEX	√ √	<b>♦</b>	√		♦		
Data Monitoring	V	V			V		
Binventory	<b>♦</b>	V					
BinView	<b>⋄</b>	√	$\sqrt{}$		√	√	√
Dinview	V	V	V		V	V	V

### **MATERIAL MANAGEMENT**

	FLOW DETECT	DUST DETECT	PARTICULATE MONITOR	AERATION
Material				
Powder	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Granular	$\sqrt{}$		$\sqrt{}$	
Slurry				
Liquid				
Material Density				
Low	$\checkmark$	$\sqrt{}$	$\sqrt{}$	$\checkmark$
High	$\sqrt{}$		$\sqrt{}$	
Material Moisture				
Low	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
High	$\sqrt{}$		$\sqrt{}$	
Temperature				
High			$\Diamond$	
Pressure				
Atmospheric	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Low	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
Medium				
Vibration				
Low		$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
High				
Material Coating				
Minimal	√		$\sqrt{}$	$\sqrt{}$
Heavy Buildup			$\sqrt{}$	
Corrosive				
Low	√		$\sqrt{}$	$\sqrt{}$
High	V		$\sqrt{}$	
Installation				
Top Mounted	<b>√</b>	$\sqrt{}$	$\sqrt{}$	
Side Mounted	V	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Constrained Spaces				
Environment				
Dust	V	$\sqrt{}$	$\sqrt{}$	V
Steam				
Vapor			$\sqrt{}$	
Sanitary				
Hazloc Approvals				
CSA	<b>♦</b>		<b>♦</b>	
ATEX	<b>♦</b>			