





























# Hazardous Area Classification

Hazardous areas are locations where a flammable atmosphere could be present during normal operations, abnormal or fault conditions, or at a location that is at risk of an explosion.

The products are split into various zones for easier selection.

Zone 0/20 - Where a flammable atmosphere is continuously present or present for a long period of time						
Gauges	Not used in Zone 0					
Mechanical Switches	Requirement Intrinsically Safe Flameproof	<b>Pressure</b> Sentry, Industrial, Compact	<b>Differential Pressure</b> Sentry, Industrial	<b>Temperature</b> Sentry, Industrial		
						
Electronic Switches					<b>Sludge/Level</b> 	<b>Level</b> 003 series 
Transmitters	Requirement Intrinsically Safe	<b>Analogue Pressure</b> D-Series, 387	<b>Differential Pressure Transmitter</b> D-Series	<b>Digital SMART "HART" Pressure</b> D-Series, 2HT	<b>Temperature</b> D-Series	<b>Level</b> DMSP
						
Zone 0/1 – Interface installation						
Switches	Requirement Flameproof	<b>Pressure</b> Industrial				
						
Zone 1/21 – Where a flammable atmosphere is likely to occur in normal operations						
Gauges	Requirement Assessed for Hazardous Area	<b>Pressure-Open Front</b> AG/GA 3700	<b>Pressure-Soild Front</b> AS	<b>Differential Pressure</b> DA 3700	<b>Temperature GA</b>	All with or without Exi certified contacts
						

Mechanical Switches	Requirement Intrinsically Safe and Flameproof	<b>Pressure</b> Sentry, Industrial, Compact, Performance 	<b>Differential Pressure</b> Sentry, Industrial, Compact, Performance 	<b>Temperature</b> Sentry, Industrial, Compact, Performance 	<b>Flow</b> 131 	<b>Level</b> Horizontal & Vertical 
Electronic Switches						<b>Level</b> PLS, VLS 
Analogue Transmitters	Intrinsically Safe and Flameproof	<b>Analogue Pressure</b> D-Series, 387 	<b>Differential Pressure Transmitter</b> D-Series 	<b>Differential Pressure Transmitters</b> D-Series 	<b>Level Submersible</b> D-Series 	
Smart Transmitters	Intrinsically Safe and Flameproof		<b>Pressure Transmitter</b> D-Series, 2HT 	<b>Differential Pressure Transmitters</b> D-Series 	<b>Temperature</b> D-Series 	<b>Level Displacer type</b> 

**Zone 2/22 - Where a flammable atmosphere is likely to occur but only under abnormal operating conditions**

Gauges	Requirement Assessed for Hazardous Area	<b>Pressure-Open Front</b> AG/GA 3700 	<b>Pressure-Soild Front</b> AS 	<b>Differential Pressure</b> DA 3700 	<b>Temperature GA</b> 	All with or without Exi certified contacts
Mechanical Switches	Requirement Intrinsically Safe and Flameproof	<b>Pressure</b> Sentry, Industrial, Compact, Performance 	<b>Differential Pressure</b> Sentry, Industrial, Compact, Performance 	<b>Temperature</b> Sentry, Industrial, Compact, Performance 	<b>Flow</b> 131 	<b>Level</b> Horizontal & Vertical 
Electronic Switches						<b>Level</b> PLS, VLS 
Analogue Transmitters	Intrinsically Safe and Flameproof	<b>Analogue Pressure</b> D-Series, 387 	<b>Differential Pressure Transmitter</b> D-Series 			
Smart Transmitters	Intrinsically Safe and Flameproof		<b>Pressure Transmitter</b> D-Series, 2HT 	<b>Differential Pressure Transmitters</b> D-Series 	<b>Temperature</b> D-Series 	<b>Level Displacer type</b> 
Steam & Water	Hazardous area approved	<b>Steam Drum Level Indicator</b> Hydrastep 	<b>Steam &amp; Water Detection</b> Hydratect 			

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