



ATEX
1/2G Exd IIC T5 T6 Ga/Gb

DOCUMENT RELATED TO THE CERTIFICATE
CESI ATEX 272
No changes allowed without
approval of the "Authorized Person"

ATEX - Exd

CLASSIFICATION OF POTENTIALLY EXPLOSIVE AREAS

Combustible product	Occurrence in the area	Area classification	Required protection grade	
			Group	Category
Gases Vapours	Continuously, for long periods or frequently	Zone 0	II	1G
	Occasionally	Zone 1	II	2G o 1G
	Unlikely, seldom or for short periods	Zone 2	II	3G o 2G o 1G
Dusts	Continuously, for long periods or frequently	Zone 20	II	1D
	Occasionally	Zone 21	II	2D o 1D
	Unlikely, seldom or for short periods	Zone 22	II	3D o 2D o 1D
Methane Dusts	-	Mines	I	M1
	-	Mines	I	M2 o M1



ATEX CLASSIFICATION OF VAL.CO LEVEL SENSORS

LINEAR O – ATEX E

Type of float		Exd		
		Inside area	Outside area	
SPANSIL	B22	II 1G IIC T6/T5	II 2G IIC T6/T5	
	B20			
	B28	II 1G IIB T6/T5		
	B44			
	B45			
MAXIMUM TEMPERATURE OF THE PROCESS				
Ambient temperature		Exd		
		Standard construction	With heatsink	
		90 °C	100 °C	120 °C
-40°C/+40°C		T6	T5	T6
-40°C/+60°C		T5	T5	T5

LINEAR S – ATEX E

Type of float		Exd		
		Inside area	Outside area	
STAINLESS STEEL	S29	II 1G IIC T6/T5	II 2G IIC T6/T5	
	S32			
	S52S	II 1G IIB T6/T5		
	S52			
	S100			
MAXIMUM TEMPERATURE OF THE PROCESS				
Ambient temperature		Exd		
		Standard construction	With heatsink	
		90 °C	100 °C	150 °C
-40°C/+40°C		T6	T5	T6
-40°C/+60°C		T5	T5	T5

LINEAR V-F – ATEX E

Type of float		Exd		
		Inside area	Outside area	
PP PVC PVDF	F49	II 1G IIB T6/T5	II 2G IIC T6/T5	
	P49			
	V49			
MAXIMUM TEMPERATURE OF THE PROCESS				
Ambient temperature		Exd		
		Standard construction	With heatsink	
		60°C (PVC) / 90 °C (PP)	100 °C (PVDF)	130 °C (PVDF)
-40°C/+40°C		T6	T5	T6
-40°C/+60°C		---	T5	T5