



GOST-R Ex



**ATEX**  
**1G Exia IIC T4 T5 T6 Ga**  
**1/2G Exia IIC T4 T5 T6 Ga/Gb**

DOCUMENT RELATED TO THE CERTIFICATE  
**CESI ATEX 265**  
 No changes allowed without  
 approval of the "Authorized Person"

## ATEX - Exia

### 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 I**

Type of float		Exia	
		Inside area	Outside area
SPANSIL	B22	II 1G IIC T6/T5	II 1G IIC T6/T5/T4
	B20		
	B28	II 2G IIC T6/T5/T4 Electrical output I1	
	B44		
	B45		

**MAXIMUM TEMPERATURE OF THE PROCESS**

Ambient temperature	Exia			
	Standard construction = 0		With heatsink = 9	
	90 °C	100 °C	120 °C	130 °C
-40°C/+40°C	T6	T5	T6	T4
-40°C/+55°C	T5	T5	T5	T4
-40°C/+80°C	---	---	T4	T4

**LINEAR S – ATEX I**

Type of float		Exia	
		Inside area	Outside area
STAINLESS STEEL	S28	II 1G IIC T6/T5/T4	II 1G IIC T6/T5/T4
	S29		
	S40		
	S41		
	S52 (S)		
	S52		
	S28		

**MAXIMUM TEMPERATURE OF THE PROCESS**

Ambient temperature	Exia		
	Standard construction = 0		With heatsink = 9
	90 °C	100 °C	150 °C
-40°C/+40°C	T6	T5	T6
-40°C/+55°C	T5	T5	T5
-40°C/+80°C	---	---	T4

**LINEAR V-F – ATEX I**

Type of float		Exia	
		Inside area	Outside area
PP PVC PVDF	F49	II 1G IIC T6/T5/T4	II 1G IIC T6/T5/T4
	P49		II 2G IIC T6/T5/T4
	V49		Electrical output I1

**MAXIMUM TEMPERATURE OF THE PROCESS**

Ambient temperature	Exia			
	Standard construction = 0			With heatsink = 9
	60°C (PVC) - 90°C (PP)	100°C (PVDF)	130°C (PVDF)	130 °C (PVDF)
-40°C/+40°C	T6	T5	T4	T6
-40°C/+55°C	---	T5	T4	T5
-40°C/+80°C	---	T4	T4	---