



Ex-Probe | Device category 1G, 1G/2G and 1D

Ex-Device category 1G
Installation in Zone 0 (gas)

Ex-Device category 1G/2G
Installation in partition wall
Zone 0 / Zone 1 (gas)

Ex-Device category 1D
Installation in Zone 20 (dust)



Design	G1/2				
Dimensions					
Detection range	[cm/s] water 1...100 / oil 3...200				
Sensor length L	48	48	80	110	140
Connection	fixed cable	plug	fixed cable	fixed cable	fixed cable
ID-No.	P11186	P11187	P11188	P11189	P11190
Type	STS 110 K	STS 110 S	STS 110 K-L80	STS 110 K-L110	STS 110 K-L140
Ex area of use	Gas: Zone 0, Partition wall Zone 0 / Zone 1 / Dust: Zone 20				
Certificate No.	TÜV 98 ATEX 1298 X				
Ex marking	Gas: Ex II 1 G Ex ia IIC T6...T3 Ga Ex II 1/2 G Ex ia IIC T6...T3 Ga/Gb Dust: Ex II 1 D Ex ia IIIC T125 °C Da				
Ambient temperature and medium temperature	Gas: T6: $-20 \leq T_a \leq +40$ T5: $-20 \leq T_a \leq +55$ T4: $-20 \leq T_a \leq +85$ T3: $-20 \leq T_a \leq +85$ Dust: $-20 \leq T_a \leq +85$				
Maximum values	$U_i = 13.65 \text{ V}$ / $I_i = 200 \text{ mA}$ / $P_i = 0.69 \text{ W}$ / $C_i = 0.27 \text{ nF}$ / $L_i = 1.30 \text{ }\mu\text{H}$				
Start-up time typ.	[s] 8 (2...18)				
Reaction time typ.	[s] 2 (1...13)				
Compressive strength	[bar] 60				
Housing material	AISI 316 Ti • different materials on request				
Protection	[EN 60529] IP 67				
Connection	...K: 2 m PUR-cable 4x0.25 mm ² ...S: M12 connector				
Note:	 Observe specific conditions for use in section "Technique and application" on page 1.13				