

- Probe • Device category 2G and 2D

Series ST

-Device category 2G
Installation in Zone 1 (gas)

-Device category 2D
Installation in Zone 21 (dust)

Extended temperature range
up to 120 °C



Design	G1/2			
Dimensions				
Detection range [cm/s]	water 1...100 / oil 3...200			
Sensor length L [mm]	48	80	110	140
Connection	fixed cable	fixed cable	fixed cable	fixed cable
ID-No.	P11198	P11200	P11201	P11202
Type	ST 110 KH	ST 110 KH-L80	ST 110 KH-L110	ST 110 KH-L140
Ex area of use	Gas: Zone 1 / Dust: Zone 21			
Certificate No.	TÜV 97 ATEX 1218			
Ex marking	Gas:	II 2 G Ex ib IIC T6 Gb		
	Dust:	II 2 D Ex ib IIIC T125 °C Db		
Ambient temperature [°C] and medium temperature	Gas:	T6: +10 ≤ Ta ≤ +40 T5: +10 ≤ Ta ≤ +55 T4: +10 ≤ Ta ≤ +90 T3: +10 ≤ Ta ≤ +120		
	Dust:	-20 ≤ Ta ≤ +85		
Maximum values	Ui = 13.65 V / li = 200 mA / Pi = 0.69 W / Ci = 0.27 nF / Li = 1.30 μH			
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	2 m FEP-cable 4x0.25 mm ²			
	(probes with cable length > 2 m are available on request)			
Note:	for the connection to amplifier SZA..., page 1.94			