

Ex - Probe • Device category 2G and 2D

Series ST

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

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

With welded standard flange



Design	DN25 / PN40 (EN 1092-1/05 A)		
Dimensions			
Detection range [cm/s]	water 1...100 / oil 3...200		
Sensor length L [mm]	80	110	140
Connection	fixed cable	fixed cable	fixed cable
ID-No.	P11197	P11150	P11151
Type	ST 111 K-L80	ST 111 K-L110	ST 111 K-L140
Ex area of use	Gas: Zone 1 / Dust: Zone 21		
Certificate No.	TÜV 97 ATEX 1218		
Ex marking	Gas:	Ex II 2 G Ex ib IIC T6 Gb	
	Dust:	Ex II 2 D Ex ib IIIC T125 °C Db	
Ambient temperature and medium temperature [°C]	Gas:	T6: -20 ≤ Ta ≤ +40 T5: -20 ≤ Ta ≤ +55 T4: -20 ≤ Ta ≤ +85 T3: -20 ≤ Ta ≤ +85	
	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 PUR-cable 4x0.25 mm ²		
Note:	(probes with cable length > 2 m and different flanges are available on request) for the connection to amplifier SZA..., page 1.94		