

## $\text{Ex}$ - Probe • Device category 2G and 2D

### Series ST

$\text{Ex}$  - Device category 2G  
Installation in Zone 1 (gas)

$\text{Ex}$  - Device category 2D  
Installation in Zone 21 (dust)



Design	G1/2				
Dimensions					
Detection range [cm/s]	water 1...100 / oil 3...200				
Sensor length L [mm]	48	48	80	110	140
Connection	fixed cable	plug	fixed cable	fixed cable	fixed cable
ID-No.	P11192	P11193	P11194	P11195	P11196
Type	ST 110 K	ST 110 S	ST 110 K-L80	ST 110 K-L110	ST 110 K-L140
Ex area of use	Gas: Zone 1 / Dust: Zone 21				
Certificate No.	TÜV 97 ATEX 1218				
Ex marking	Gas: $\text{Ex}$ II 2 G Ex ib IIC T6 Gb Dust: $\text{Ex}$ II 2 D Ex ib IIIC T125 °C Db				
Ambient temperature and medium temperature [°C]	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]	cable ...K: IP 67 / plug ...S: IP 67				
Connection	...K: 2 m PUR-cable 4x0.25 mm <sup>2</sup> / ...S: M12 connector				
	<p>1: BN 2: WH 3: BU 4: BK</p>	<p>Messfühler Probe</p> <p>3 BU 8 1 BN 7 2 WH 6 4 BK 5</p> <p>SZA</p>			
Note:	(probes with cable length > 2 m are available on request) for the connection to amplifier SZA..., page 1.94				