



**Ex-Probe** | Device category 2G and 2D

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

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



Design	G1/2				
<b>Dimensions</b>					
<b>Detection range</b> [cm/s]	water 1...100 / oil 3...200				
<b>Sensor length L</b> [mm]	48	48	80	110	140
<b>Connection</b>	fixed cable	plug	fixed cable	fixed cable	fixed cable
<b>ID-No.</b>	P11192	P11193	P11194	P11195	P11196
<b>Type</b>	ST 110 K	ST 110 S	ST 110 K-L80	ST 110 K-L110	ST 110 K-L140
<b>Ex area of use</b>	Gas: Zone 1 / Dust: Zone 21				
<b>Certificate No.</b>	TÜV 97 ATEX 1218				
<b>Ex marking</b>	Gas: <b>Ex</b> II 2 G Ex ib IIC T6 Gb Dust: <b>Ex</b> II 2 D Ex ib IIIC T125 °C Db				
<b>Ambient temperature and medium temperature</b> [°C]	Gas: T6: -20 ≤ Ta ≤ +40 T5: -20 ≤ Ta ≤ +55 T4: -20 ≤ Ta ≤ +85 T3: -20 ≤ Ta ≤ +85 Dust: -20 ≤ Ta ≤ +85				
<b>Maximum values</b>	Ui = 13.65 V / li = 200 mA / Pi = 0.69 W / Ci = 0.27 nF / Li = 1.30 µH				
<b>Start-up time typ.</b> [s]	8 (2...18)				
<b>Reaction time typ.</b> [s]	2 (1...13)				
<b>Compressive strength</b> [bar]	60				
<b>Housing material</b>	AISI 316 Ti • different materials on request				
<b>Protection</b> [EN 60529]	cable ...K: IP 67 / plug ...S: IP 67				
<b>Connection</b>	...K: 2 m PUR-cable 4x0.25 mm² / ...S: M12 connector				
<b>Note:</b>	(probes with cable length > 2 m are available on request) for the connection to amplifier SZAb..., page 1.104-1.105				