



**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	G1/4	G1/2	G1/2	NPT1/2	G3/4												
<b>Dimensions</b>																	
Detection range [cm/s]	water 1...100 / oil 3...200																
Sensor length [mm]	25	31	48	40	48												
Connection	fixed cable	fixed cable	fixed cable	fixed cable	fixed cable												
ID-No.	P11144	P11145	P11146	P11147	P11174												
Type	ST 101 K	ST 102 K	ST 103 K	ST 104 K	ST 106 K												
Ex area of use	Gas: Zone 1 / Dust: Zone 21																
Certificate No.	TÜV 97 ATEX 1218																
Ex marking	Gas: <b>Ex</b> II 2 G Ex ib IIC T6...T3 Gb Dust: <b>Ex</b> II 2 D Ex ib IIIC T125 °C Db																
Ambient temperature [°C] and medium temperature	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 = 0.45 nF / Li = 1.80 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 <sup>2</sup>																
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td rowspan="5" style="text-align: center;">Messfühler Probe</td> <td>3 BU</td> <td>8</td> <td rowspan="5" style="text-align: center;">SZAb</td> </tr> <tr> <td>1 BN</td> <td>7</td> </tr> <tr> <td>2 WH</td> <td>6</td> </tr> <tr> <td>4 BK</td> <td>5</td> </tr> <tr> <td></td> <td></td> </tr> </table>					Messfühler Probe	3 BU	8	SZAb	1 BN	7	2 WH	6	4 BK	5		
Messfühler Probe	3 BU	8	SZAb														
	1 BN	7															
	2 WH	6															
	4 BK	5															
Note:	(probes with cable length > 2 m are available on request) for the connection to amplifier SZAb..., page 1.100-1.101																