



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)

Extended temperature range
up to 120 °C



Design	G1/4	G1/2	G1/2	NPT1/2	G3/4										
Dimensions															
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.	P11176	P11178	P11180	P11182	P11184										
Type	ST 101 KH	ST 102 KH	ST 103 KH	ST 104 KH	ST 106 KH										
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: +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														
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td rowspan="4" style="text-align: center;">Messfühler Probe</td> <td>3 BU</td> <td>8</td> <td rowspan="4" 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> </table>					Messfühler Probe	3 BU	8	SZAb	1 BN	7	2 WH	6	4 BK	5
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Note:	(probes with cable length > 2 m are available on request) for the connection to amplifier SZAb..., page 1.104-1.105														