

## Probe • Chemical resistant

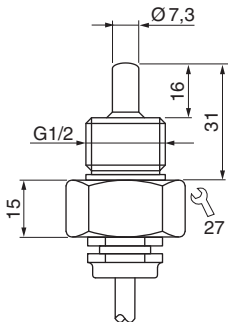
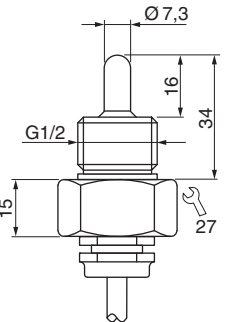
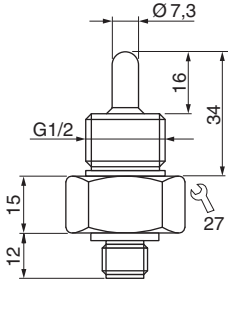
### Series STA

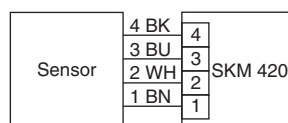
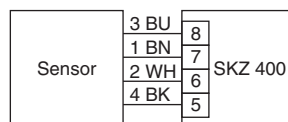
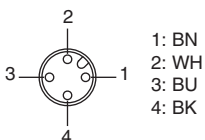
### G1/2 thread

### Hastelloy B2/C22

### Metal ceramic coated



Design	G1/2...HB2/HC22		G1/2...K-B3	G1/2...S-B3
<b>Dimensions</b>				
Detection range [cm/s]				
Water	1...150	1...150	1...150	1...150
Oil	3...300	3...300	3...300	3...300
Sensor length [mm]	31	31	34	34
ID-No.	P10625		P10623	P10622
Type	STA 421 K-HB2	STA 421 K-HC22	STA 421 K-B3	STA 421 S-B3
Medium temperature [°C]	-20...+80 (+10...+120 on request)			
Temperature gradient [K/min]	250			
Reaction time [s]	1...15			
Compressive strength [bar]	100			
Sensor material	Hastelloy B2	Hastelloy C22	Titanium / metal ceramic	
Protection [EN 60529]	IP 68			IP 67
Connection	2 m FEP-cable 4x0.25 mm <sup>2</sup>			M12 connector



These sensors are made of titanium and are coated with a metal-ceramic material layer. Coated sensors display chemical resistance practically comparable to chemical characteristics of PTFE or Hastelloy. Unlike PTFE sensors, coated sensors display the same temperature behaviour as stainless steel sensors, with high temperature gradients. The high surface hardness of the coating protects the sensor against abrasion, thus considerably increasing its durability. The perfectly smooth surface virtually eliminates deposits.

Amplifiers required: SKM..., SKZ..., see page 1.52, 1.53

**Accessories** connecting cable type SLG 4-2 (Z00445), SLW 4-2 (Z00446), see page 1.75