

pH sensors - fluoride resistant

S-300-K-X-X(-PG)

- Fluoride resistant
- Low maintenance by gel filling
- Long life expectancy by liquid sensor filling



S-300-K-2-1



S-300-K-2-1-PG



S-300-K-2-1

Applications



Process Water



Fluoride Containing Media



Laboratory

Description

S Sensors are developed for the application in fluoride containing media. The use special glass is useable up to 500 m/l fluoride. The sensors are mainly used in the semiconductor industry. The sensor characteristics like reference electrode and junction are mainly set by the water characteristics



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Technical data

Measuring parameter

pH-value	1.00.. 11.00 pH	
Conductivity	KCL 3 M Flüssig > 50 µS/cm	Tepox gel > 150 µS/cm
Pressure	S7 plug 0 bar bar	S8 plug < 2 bar at 20°C

Mechanical construction

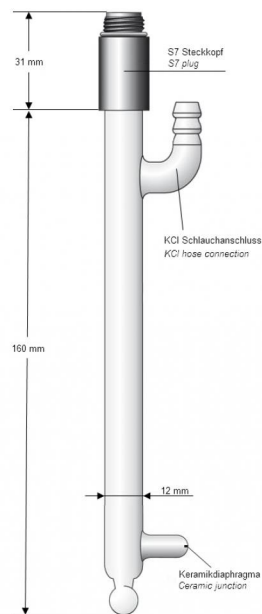
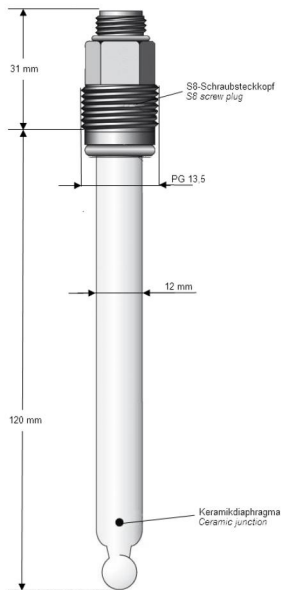
Junction	1 mm Keramik PTFE
Shaft material	Glass
Electrode material	S-glass
Reference system	Ag/ AgCl/ 3M KCl flüssig Ag/ AgCl/ Tepox gel
Internal buffer	pH 7
Mechanical connection	S7 plug S8 plug (PG 13,5) SP Sixplug (PG 13,5)
Electrical connection	2 pole screw connection
Temperature sensor	Pt 100 optional



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Mechanical drawing



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Storage version

Article number	Name	Description
24132300K	S-300-K-1-1	Fluoride resistant pH sensor, liquid KCl filled, ceramic junction, 160 mm, S7 plug
24132400K	S-300-K-2-1	Fluoride resistant pH sensor, gel filled, ceramic junction, 160 mm, S7 plug
24132410K	S-300-K-2-1-PG	Fluoride resistant pH sensor, gel filled, ceramic junction, 120 mm, S8 plug PG 13,5
24132420K	S-300-K-2-7-PG	Fluoride resistant pH sensor, gel filled, PTFE junction, 120 mm, S8 plug PG 13,5

