Zirkon pH
Standard pH sensors

- **Low maintenance by gel filling**
- **High precision by use of high alkaline high temperature glass**
- **Made in Germany**

Applications

Process Water

Drinking Water / Beverages

Waste Water Treatment

201012103   201112400   201012100

Description

The sensor of the Zirkon pH series are highly sophisticated sensors with a high value for money ratio. They are used in many applications e.g. industrial, process and waste water. We use our high performance AH glass with low alkaline error and a broad temperature range. We use a high class ceramic junction which increases the sensor life expectancy and our low maintenance Topax gel. As reference system we use a cartridge system which results for a constant measurement especially in applications with high temperature fluctuations.

Technical data

Measuring parameter

pH-value	0.. 14 pH

Ambient conditions

Min. conductivity	> 150 µS/cm
Temperature	-5.. +70 °C

	plug PG	**resin shaft**	**PG 13,5 loose**
Pressure	< 2 bar at 20°C	< 1 bar at 20°C	< 1 bar at 20°C

Mechanical construction
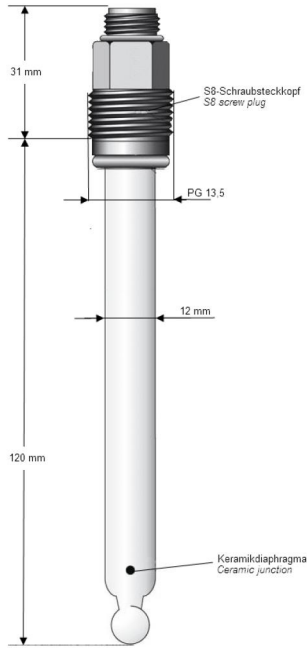
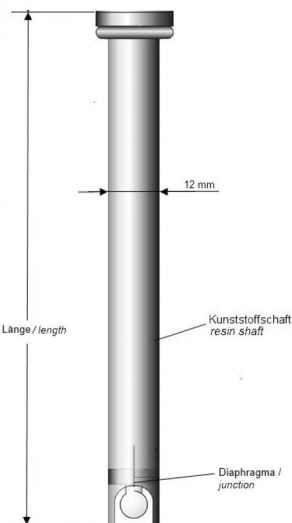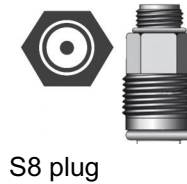|	
Junction	ceramic 1 mm
Shaft material	glass, resin
Mechanical Construction	120 mm, 160 mm
Electrode material	AH-Glas ball
Reference system	Ag/AgCl/Tepox gel Ag/AgCl/Tepoxgel - saturated KCl
Internal buffer	pH 7
Process connection	S8 plug (PG 13,5), S7 plug, SP6 plug (PG 13,5), fixed cable
Electrical connection	2 or 6 pole connection
Temperature sensor	none, Pt100, Pt1000

Mechanical drawing

S8-Schraubsteckkopf
S8 screw plug

PG 13.5

31 mm

12 mm

120 mm

Keramikdiaphragma
Ceramic junction

201012100

Länge / *length*

12 mm

Kunststoffschaft
resin shaft

Diaphragma /
junction

resin shaft

S8 plug

Variopin plug

S7 Steckkopf
S7 plug

31 mm

160 mm

12 mm

Keramikdiaphragma
Ceramic junction

201012320

S7 plug

DR. A. KUNTZE │ GUTES WASSER MIT SYSTEM
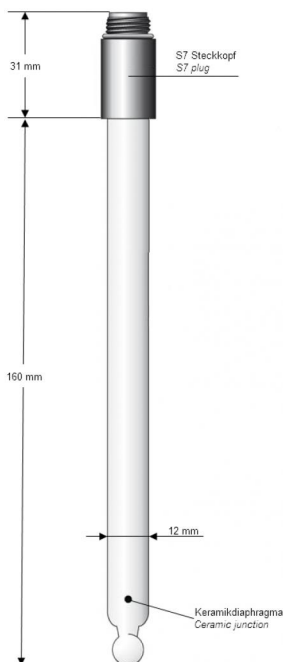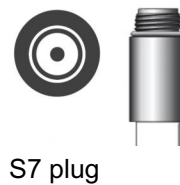
Order information

1 Gruppe / group		
	201	Zirkon pH
2 Temperatursensor / temperature probe		
	0	kein / none
	1	Pt 100
	2	Pt 1000
	9	Sonder / special
3 Diaphragma / junction		
	1	Keramik 1 mm / ceramic 1 mm
	9	Sonder / special
4 Elektrolyt / electrolyte		
	2	Tepoxgel / Tepox gel
	6	Tepoxgel - gesättigt KCl / Tepox gel - saturated KCl
	9	Sonder / special
5 Anschluss / connection		
	1	S8 Stecker (PG 13,5) / S8 plug (PG 13,5)
	3	S7 Stecker / S7 plug
	4	SP Sixplug Stecker / SP Sixplug
	6	VP Variopin Stecker / VP Variopin plug
	7	Festangeschlossenes Kabel / fixed cable
		Preis pro m rauscharmes Koaxialkabel / price per m low-noise coax cable
		Preis pro m rauscharmes Triaxialkabel / price per m low-noise triaxial cable
	9	Sonder / special
6 Länge / length		
	0	Standard (bei pH 120 mm) / standard (for pH 120 mm)
	2	160 mm
	9	Sonderlänge / special length
7 Sonder / special		
	0	Kein / none
	3	Kunststoffschaft / resin shaft
	K	Angabe der Kabellänge / callout cable length
		Beispiel: Ein Meter = K01, 10 Meter = K10 / Example: one meter = K01, 10 meter = K10
	9	Sonder / special

If possible, choose items listed under "storage versions" or "assembly versions" for your orders. We will have to technically inspect and approve a free combination of individual key features.

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Standard pH sensors

Storage version

Article number	type/configuration	Description
24131110K	201012100	pH sensor: Tepoxgel, 120 mm, ceramic junction, S8 screw plug, follow-up of AH-300-K-2-1-PG
24131100K	201012320	pH sensor: Tepoxgel, 160 mm, ceramic junction, S7 plug, follow-up of AH-300-K-2-1

Assembly version

Article number	type/configuration	Description
24132650K	201012103	pH sensor: Tepox gel, 120 mm, ceramic junction, S8 screw plug, follow-up of AH-320-K-2-1-PG
24132111K	201112400	pH sensor: Tepox gel, 120 mm, ceramic junction, Variopin plug, follow-up of AH-305-K-2-1-PG