Zirkon® pH Fluoride

Sensor for measuring pH

Zirkon® pH Fluoride is a sensor for measuring pH in fluoride containing media.



Applications



fluoride containing media

Technical data

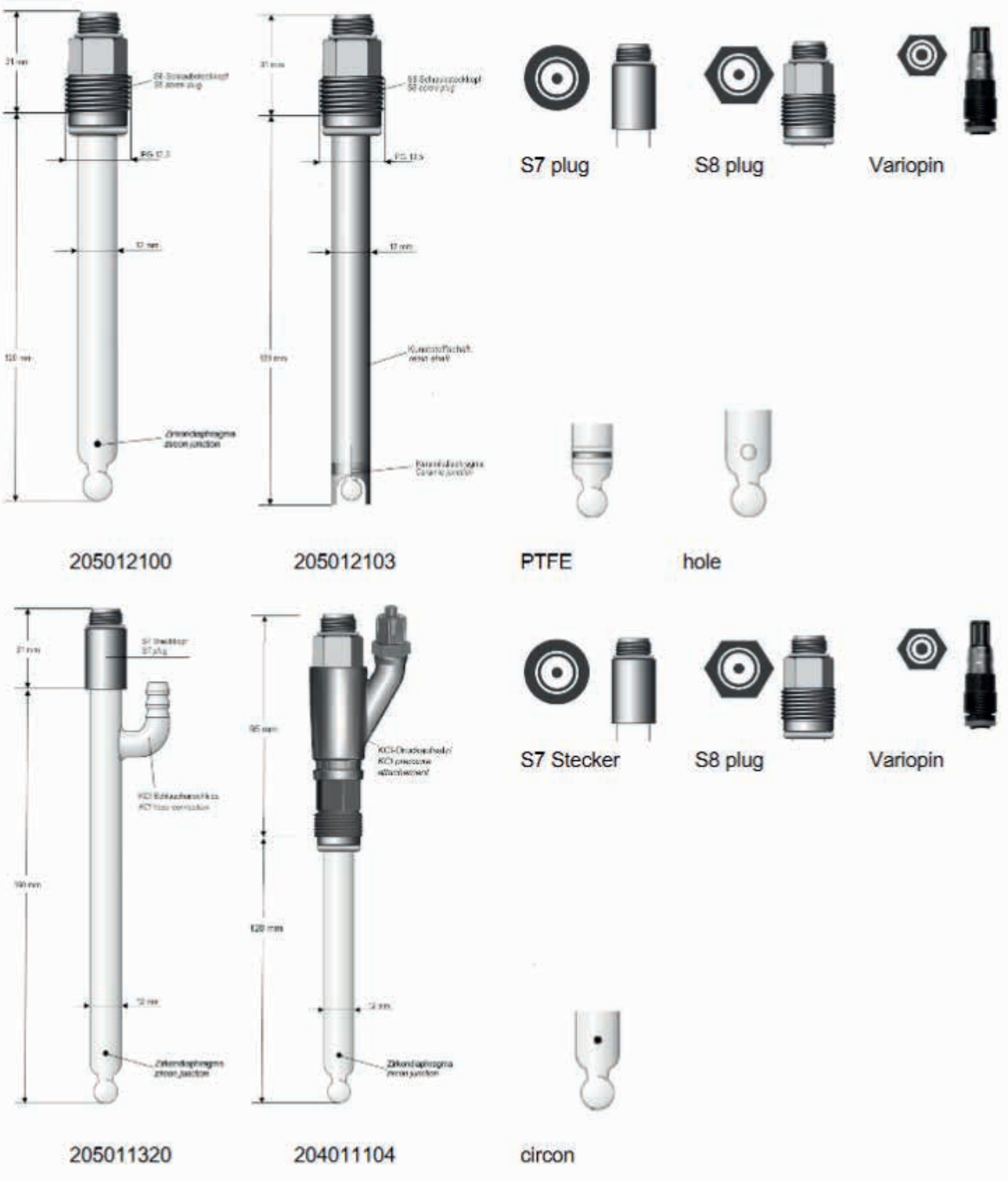
Measuring parameter

pH-value	1.. 11 pH	
Ambient conditions		
Temperature	0.. 60 °C	
Condutctivity	3M KCl	> 50 µS/cm
	Tepox gel	> 150 µS/cm
Pressure	plug PG	0.. 10 bar at 20°C
	PG 13.5 loose	< 1 bar at 20 °C
	KCl pressure attachment	< 6 bar at 20°C
Pressure	PTFE	< 10 bar at 20°C
	hole	< 1 bar pressureless
	Zircon	< 2 bar at 20°C
	platinum	< 2 bar at 20°C

Mechanical construction

Junction	Zircon, PTFE, platinum, hole
Shaft material	Glass
Mechanical Construction	120 mm, 160 mm, 225 mm
Electrode material	S-glass-ball
Reference system	Ag/AgCl/3M KCl, Ag/AgCl/Tepox gel Ag/AgCl/solid electrolyte
Internal buffer	pH 7
Process connection	S8 plug (swivel PG 13.5), S7 plug, Variopin (swivel PG 13.5), fixed cable
Electrical connection	2 or 6 pole connection
Temperature sensor	none, Pt100, Pt1000

Mechanical Drawing



Storage version

Article number	type/configuration	Description
24132410K	205012100	pH sensor: zircon junction, Tepox gel, S8 plug (swivel PG 13.5), 120 mm
24132400K	205012320	pH sensor: zircon junction, Tepox gel, S7 plug, 160 mm
24132420K	205072100	pH sensor: PTFE junction, Tepox gel, S8 plug (swivel PG 13.5), 120 mm

Assembly version

Article number	type/configuration	Description
24132300K	205011320	pH sensor: zircon junction, 3M KCl, S7 plug, 160 mm