

Sensor for measuring pH

Zirkon® pH Process is a sensor for measuring pH in soiled media.

Applications



fluoride
containing
media

Technical data

Measuring parameter

pH-value 1.. 11 pH

Ambient conditions

Temperature 0.. 60 °C

Conductivity 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

Zirkon < 2 bar at 20°C

platinum < 2 bar at 20°C

Mechanical construction

Junction Zirkon, 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

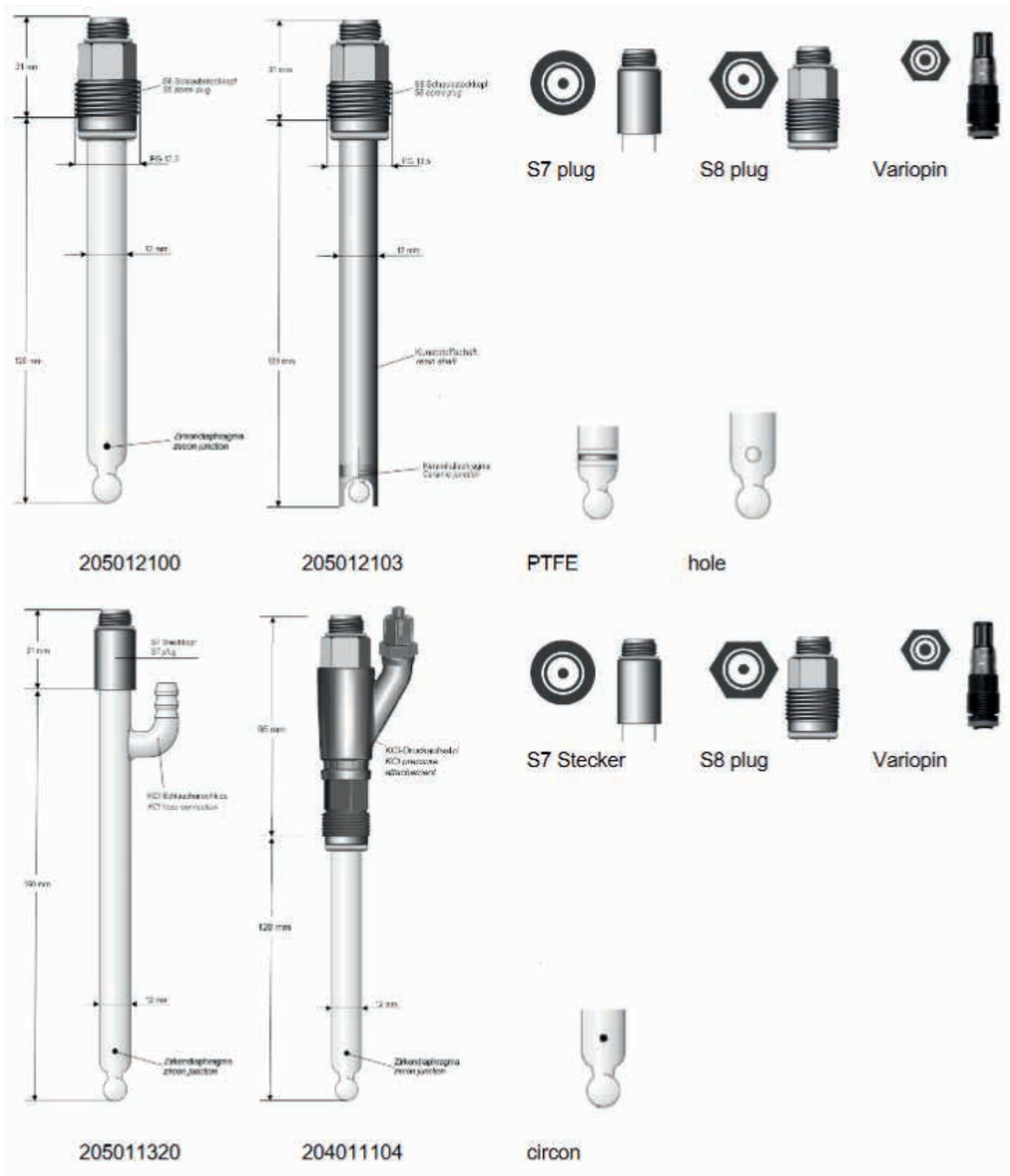
Internal buffer pH 7

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