

Sensor for measuring pH

Applications



Disinfection



Drinking Water



Food & Beverage



Cooling Water

Technical data

Measuring parameter

pH-value 0.. 14 pH

Ambient conditions

Min. conductivity > 150 $\mu\text{S}/\text{cm}$

Temperature -5.. +70 °C

Pressure

plug PG	< 2 bar at 20°C
resin shaft	< 1 bar at 20°C
PG 13.5 loose	< 1 bar at 20°C

Mechanical construction

Junction Zircon

Shaft material Glass, resin

Mechanical Construction 120 mm, 160 mm, 225 mm

Electrode material AH glass ball

Reference system Ag/AgCl/Tepox gel

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
24131110K	201012100	pH sensor: 1 mm zircon junction, Tepox gel, S8 plug (swivel PG 13,5), 120 mm
24131100K	201012320	pH sensor: 1 mm zircon junction, Tepox gel, S7 plug , 160 mm

Assembly version

Article number	type/configuration	Description
24132650K	201012103	pH sensor: zircon junction, Tepox gel, S8 plug (swivel PG 13,5), 120 mm resin shaft
24132111K	201112400	pH sensor: Pt 100, zircon junction, Tepox gel, Variopin plug (swivel PG 13,5), 120 mm