

ZIRKON® ORP Universal: S25135220K

General description



The ZIRKON® ONE ORP UNIVERSAL is a high-accuracy oxidation-reduction potential (ORP) sensor, providing reliable redox potential measurement for industrial and water treatment applications. Its uniform 8-pole Snap-In Connector allows for quick and secure installation within the NEON® ONE platform. Integrated memory stores calibration data and sensor identification, while diagnostic functions monitor operational hours and exceeded temperature conditions. ZIRKON® ONE sensors are designed exclusively for use with the NEON® ONE platform and are not compatible with other systems.

- Low maintenance and long service life
- Robust material & easy to clean
- Low corrosion susceptibility

Typical applications



Desinfection



Food & Beverage



Industrial Water



Pool & Spa

Technical data

Measurement

Measuring parameter	Redox potential (ORP)
Measuring range	-1500...+1500 mV
Tolerance	±2% of the reading

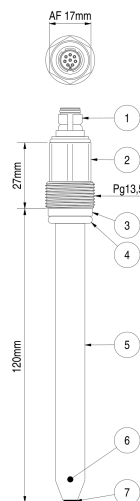
Process condition

Maximum pressure	<6 bar at 20 °C
Temperature range	0...+50 °C
Minimum conductivity	>50 µS/cm
Storage temperature	0...+30 °C

Mechanical construction

Plug	Snap-in
Process connection	PG 13.5
Electrical connection	8-pole
Memory chip	Yes
Reference electrolyte	Tepox gel 3M KCl
Metal lead	Ag/AgCl
Shaft material	Glass
Installation depth	120 mm
Shaft diameter	12 mm
Junction	Zircon
Temperature probe	None
Solution ground	None

Mechanical drawing



- 1 Snap-in connection
- 2 Plug head
- 3 Fitting ring
- 4 O-ring
- 5 Glass shaft
- 6 Zircon junction
- 7 Platinum cup