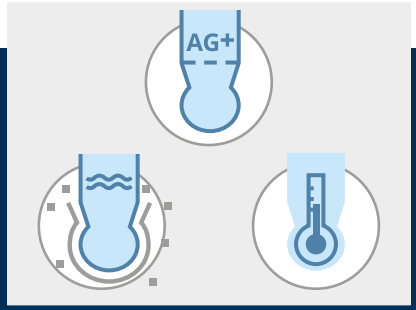
SE555

Sterilizable pH Sensor with High Reliability and Precision



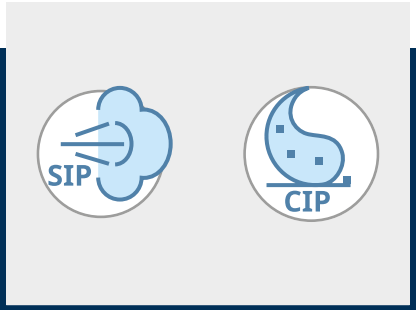
For use in fermentation, the food industry, biotechnology, aggressive media, at extreme pH values, and in wastewater

The sensor is suitable for high-temperature applications, and with an ORP measuring element, for continuous and simultaneous pH and ORP measurement. The silver ion trap prevents contamination and blockage of the junction by silver sulfide in media containing sulfides. The sensor with the advanced Memosens II technology by Knick is designed for higher ambient temperatures.



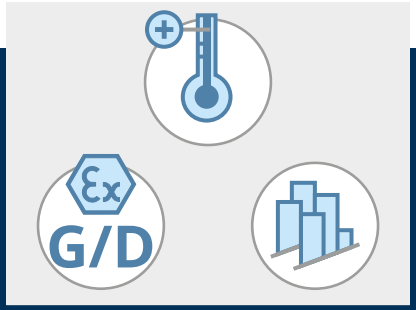
Reliable Measurement Technology

- Gel electrolyte, pressurized, biocompatible
- Ceramic junction, silver ion trap
- Integrated temperature detector; simultaneous pH/ORP measure-ment possible



For demanding requirements

- SIP-/CIP-capable, safe sterilization with temperature monitoring
- Omega glass with high impedance, low alkali error



Memosens II by Knick

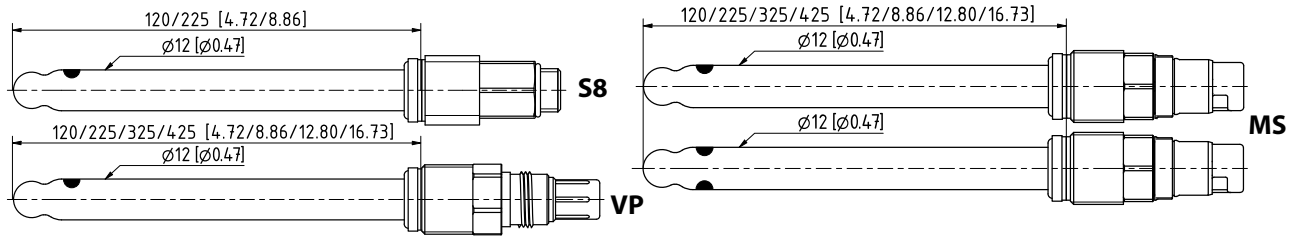
- Ambient temperature up to 100 °C
- Ex approval for gas and dust
- Diagnostics with load matrix and statistics on transmitters with graphical display

Specifications

Measuring range	
pH	0 … 14
ORP (SE555X/*-AMSN-** only)	±1500 mV
Process temperature	0 … 135 °C (32 … 275 °F)
Relative process pressure	−1 … 6 bar (−14.5 … 87 psi)
Temperature detector	
SE555X/*-NVPN	Pt1000
SE555X/*-NS8N	Without
SE555X/*-*MSN-**	NTC 30 kΩ
Wetted materials	
Body	Glass
Junction	Ceramic
Electrode (ORP)	Platinum
Sensor tip	Omega glass
Reference system	Ag/AgCl with silver ion trap Gel electrolyte, pressurized
Process connection	PG 13.5
Tightening torque	1 … 3 Nm
Electrical connection	
SE555X/*-NVPN	VarioPin connector
SE555X/*-NS8N	S8 connector
SE555X/*-*MSN-**	Memosens connector
Dimensions	See the dimension drawing

Dimension Drawing

Note: All dimensions are given in millimeters [inches].



106598 TB-300.015-KNEN02 2026-07-29

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Subject to change.