

SE558

Sterilizable Digital pH Sensor with High Reliability and Precision



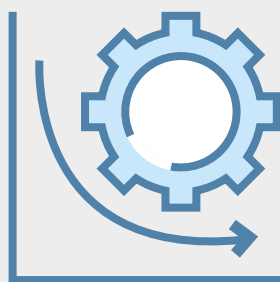
For use in boiler feed water, condensate, ultrapure water, for WFI and in water management.

Low-maintenance pH sensor with gel electrolyte. The integrated temperature detector allows for automatic temperature compensation of the pH signal during calibration and operation. The sensor is particularly well-suited for use in media with low conductivity. Its sensor tip is made of Alpha glass (average impedance, universal glass, fluoride-resistant). The sensor with the advanced Memosens II technology by Knick is designed for higher ambient temperatures.



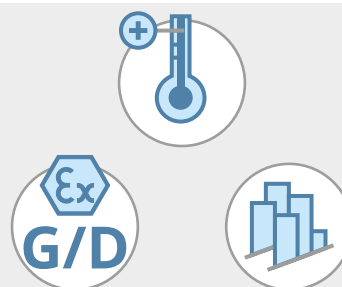
Reliable Measurement Technology

- Integrated temperature detector
- Independent of the flow direction



Low-Maintenance Design

- Low maintenance, no electrolyte refilling
- KCl reservoir in the sensor
- 3 ceramic junctions



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

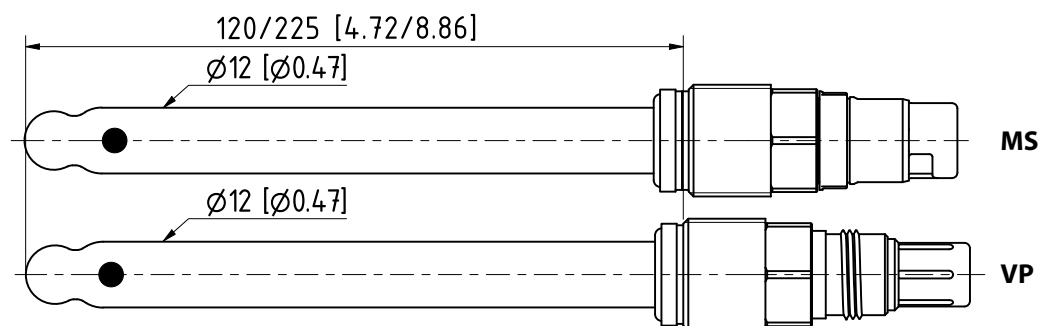
Specifications (Excerpt)

Excerpt from the user manual. Detailed information → knick-international.com

Measuring range	
pH	0 ... 14
Process temperature	-5 ... 100 °C (23 ... 212 °F)
Relative process pressure	-1 ... 3 bar (-14.5 ... 43.5 psi)
Temperature detector	
SE558X/*-NMSN-**	NTC 30 kΩ
SE558X/*-NVPN	Pt1000
Wetted materials	
Body	Glass
Junction	3 × ceramic
Sensor tip	Alpha glass
Reference system	Ag/AgCl/Cl ⁻ gel with KCl supply rings
Process connection	PG 13.5
Tightening torque	1 ... 3 Nm
Electrical connection	
SE558X/*-NMSN-**	Memosens connector
SE558X/*-NVPN	VarioPin connector
Dimensions	See the dimension drawing

Dimension Drawings

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



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Subject to change.