

# Sensors for pH Measurement

Chem

Energy

Water

## SE 558 pH Sensor

**For uncomplicated measurement in ultrapure water, water and analytical chemistry**

Low-maintenance pH sensors with gel reference electrolyte. The SE 558 sensor has an integrated temperature detector to allow automatic temperature compensation of the pH signal during calibration and operation. The SE 558 sensor is particularly suitable for use in media of very low conductivity. It provides 3 ceramic junctions and a KCl reservoir.

### Facts

- Low maintenance, no refilling of electrolyte
- Integrated temperature detector
- 3 ceramic junctions
- Independent of flow
- KCl reservoir

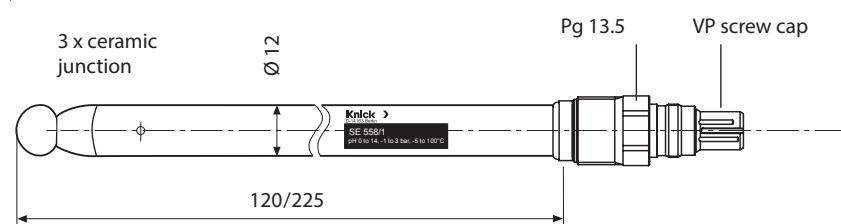
### Applications

Boiler feed water, condensate, ultrapure water, water supply and distribution, WFI.

### Specifications

pH:	0 ... 14
Temperature:	-5 ... +100 °C
Pressure:	-1 ... 3 bars (mechanical up to 12 bars)
Temperature detector:	Pt 1000
Sensor material:	Low-impedance standard pH glass, fast response
Reference system:	Ag/AgCl, polymeric electrolyte
Junction:	3 x ceramic
Length:	120 mm / 225 mm
Process adaptation:	Pg 13.5
Sensor cap:	Variopin (VP)

### Dimension Drawing



All dimensions in mm

<b>Product Range</b>		<b>Order No.</b>
SE 558 pH sensor	Length 120 mm	SE 558/1
	Length 225 mm	SE 558/2
<b>Accessories</b>		<b>Order No.</b>
VP6-ST cable	3 m	ZU 0313
	5 m	ZU 0314
	10 m	ZU 0315
	20 m	ZU 0584
<b>Buffer Solutions (20 °C)</b>		<b>Order No.</b>
pH value 2.00 ± 0.02	250 ml	CS-P0200/250
	250 ml	CS-P0400/250
		1000 ml
pH value 4.00 ± 0.02	3000 ml	CS-P0400/1000
	250 ml	CS-P0700/250
		1000 ml
pH value 7.00 ± 0.02	3000 ml	CS-P0700/1000
	250 ml	CS-P0900/250
		1000 ml
pH value 9.00 ± 0.02	3000 ml	CS-P0900/1000
	250 ml	CS-P1200/250
		1000 ml
pH value 12.00 ± 0.05	3000 ml	
	250 ml	
Equipotential bonding electrode	Platinum; for monitoring the reference system of the pH sensor or for simultaneous ORP measurement	ZU 0073