

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

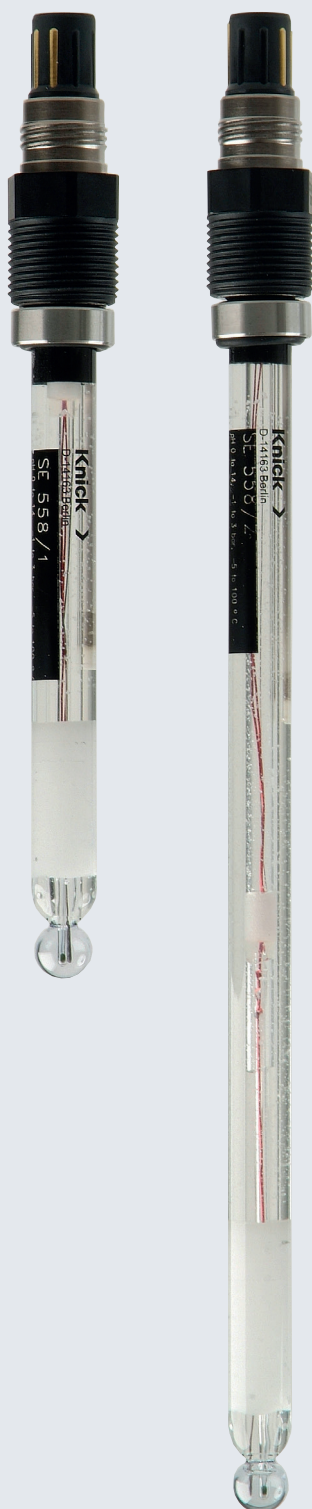
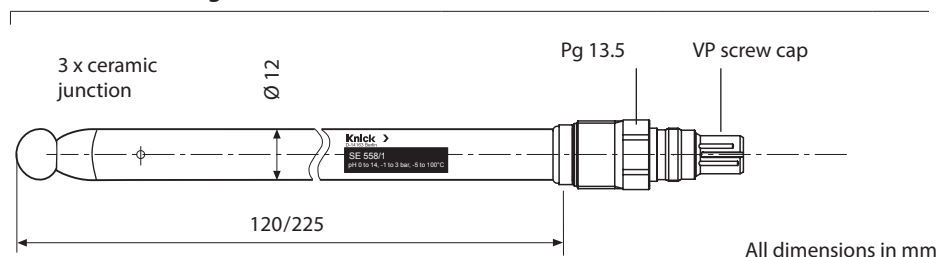
Applications

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



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