

# Sensors for pH Measurement

Chem

Energy

Pharm

Food

Water



## SE 557 pH Sensor

**For special requirements and high-precision measurements with refillable liquid electrolyte.**

Elimination of typical junction problems resulting in high measurement accuracy in ultrapure water as well as in heavily polluted media and at high temperatures. Integrated, refillable liquid electrolyte reservoir. 2 ceramic junctions, self cleaning due to pressurization (continuous outflow of electrolyte).

### Applications

Boiler feed water, water for injection (WFI), semiconductor production, difficult process media requiring high measurement stability

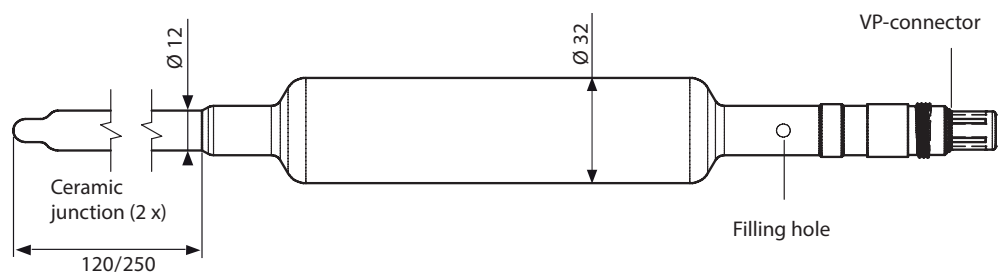
### Facts

- High accuracy
- Extensive measuring range for pH and temperature
- Refillable liquid electrolyte
- 2 ceramic junctions
- Self cleaning due to pressurization
- Integrated temperature detector
- Alpha glass, medium impedance, universal glass, fluoride resistant

### Specifications

pH:	0 ... 14
Temperature:	-20 ... +100 °C
Pressure, relative:	-1 ... +6 bar
Temperature detector:	Pt1000
Sensor material:	Alpha glass
Reference system:	Ag/AgCl, refillable liquid electrolyte
Junction:	Ceramic (2 x)
Length:	120 mm/250 mm
Sensor connector:	VP (VarioPin)
ATEX marking:	II 1G Ex ia IIC T4/T6 Ga

### Dimension Drawing



All dimensions in mm

<b>Product Range</b>	<b>Length</b>	<b>Order No.</b>
SE 557 pH sensor	120 mm	SE 557X/1-NVPN
	250 mm	SE 557X/2-NVPN
<b>Accessories</b>		
VP6-ST cable	3 m	CA/VP6ST-003A
	5 m	CA/VP6ST-005A
	10 m	CA/VP6ST-010A
	20 m	CA/VP6ST-020A
<b>CaliMat Buffer Solutions (20 °C)</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-P0400/3000
	250 ml	CS-P0700/250
		1000 ml
pH value 7.00 ± 0.02	3000 ml	CS-P0700/3000
	250 ml	CS-P0900/250
		1000 ml
pH value 9.00 ± 0.02	3000 ml	CS-P0900/3000
	250 ml	CS-P1200/250
		1000 ml
pH value 12.00 ± 0.05	3000 ml	CS-P1200/3000
	250 ml	ZU 0558
Electrolyte	250 ml	