

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
- Alpha glass, medium impedance, universal glass, fluoride resistant

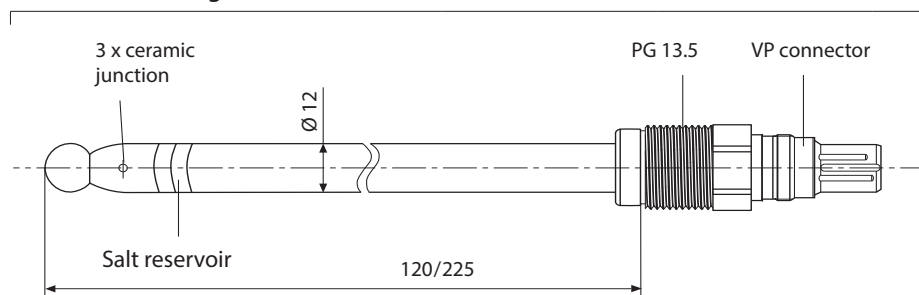
Applications

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

Specifications

pH:	0 ... 14
Temperature:	-5 ... +100 °C
Pressure, relative:	-1 ... +3 bar
Temperature detector:	Pt1000
Sensor material:	Alpha glass
Reference system:	Ag/AgCl, gel electrolyte, salt reservoir
Junction:	Ceramic (3 x)
Length:	120 mm / 225 mm
Process adaptation:	PG 13.5
Sensor connector:	VP (Variopin)
ATEX marking:	II 1/2 G Ex ia IIC T3/T4/T6 Ga/Gb

Dimension Drawing



All dimensions in mm

Product Range	Length	Order No.
SE 558 pH sensor	120 mm	SE 558X/1-NVPN
	225 mm	SE 558X/2-NVPN
Accessories	Length	Order No.
VP6-ST cable	3 m	CA/VP6ST-003A
	5 m	CA/VP6ST-005A
	10 m	CA/VP6ST-010A
	20 m	CA/VP6ST-020A
CaliMat Buffer Solutions (20 °C)	Quantity	Order No.
pH value 2.00 ± 0.02	250 ml	CS-P0200/250
	250 ml	CS-P0400/250
	1000 ml	CS-P0400/1000
pH value 4.00 ± 0.02	3000 ml	CS-P0400/3000
	250 ml	CS-P0700/250
	1000 ml	CS-P0700/1000
pH value 7.00 ± 0.02	3000 ml	CS-P0700/3000
	250 ml	CS-P0900/250
	1000 ml	CS-P0900/1000
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	
	250 ml	
Equipotential bonding electrode	Platinum; for monitoring the reference system of the pH sensor or for simultaneous ORP measurement	ZU 0073

