

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

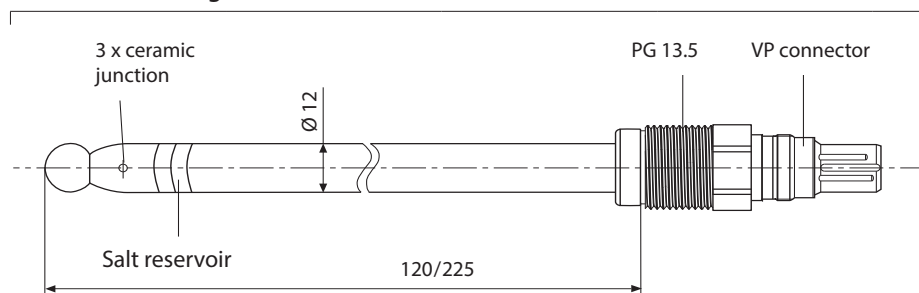
Applications

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		
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)		
pH value 2.00 ± 0.02	250 ml	CS-P0200/250
	250 ml 1000 ml 3000 ml	CS-P0400/250
		CS-P0400/1000 CS-P0400/3000
pH value 4.00 ± 0.02	250 ml	CS-P0700/250
	1000 ml 3000 ml	CS-P0700/1000
		CS-P0700/3000
pH value 7.00 ± 0.02	250 ml	CS-P0900/250
	1000 ml 3000 ml	CS-P0900/1000
		CS-P0900/3000
pH value 9.00 ± 0.02	250 ml	CS-P1200/250
	1000 ml 3000 ml	CS-P1200/1000
		CS-P1200/3000
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