



SE 554 pH Sensor

Low-maintenance sensor for demanding process application in the chemical industry

High accuracy, stability, rapidness, and a long life cycle are achieved by the special design. Through 2 open junctions, the reference system is in direct contact with the measured medium. There is hardly any risk of contamination or blocking of the junction. The high content and special distribution of potassium chloride in the polymer reduces measurement disturbances which could be caused by liquid junction potentials.

Facts

- Low maintenance, no refilling of electrolyte
- Integrated temperature detector
- Open junctions, no blocking
- Alpha glass, medium impedance, universal glass, fluoride resistant

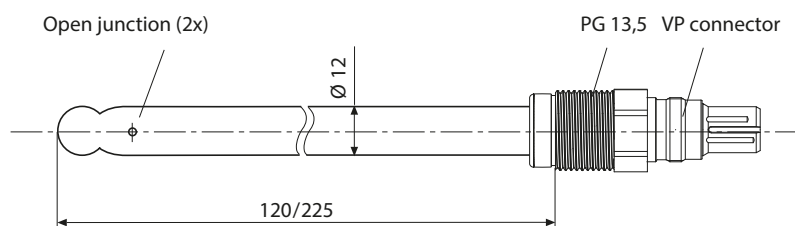
Applications

Industrial applications, dyes, precipitation reactions, polluted media

Specifications

pH:	0 ... 14
Temperature:	0 ... 130 °C
Pressure, relative:	0 ... 10 bar
Temperature detector:	Pt1000
Sensor material:	Alpha glass
Reference system:	Ag/AgCl, polymeric electrolyte
Junction:	Hole (2 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

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Product line

Sensor	Length	Order No.
SE 554 pH Sensor	120 mm	SE 554X/1-NVPN
	225 mm	SE 554X/2-NVPN

Accessories	Length	Order No.
Cable VP6-ST	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	
	pH value 7,00 ± 0,02	250 ml	CS-P0700/250
		1000 ml	CS-P0700/1000
3000 ml		CS-P0700/3000	
pH value 9,00 ± 0,02	250 ml	CS-P0900/250	
	1000 ml	CS-P0900/1000	
	3000 ml	CS-P0900/3000	
pH value 12,00 ± 0,05	250 ml	CS-P1200/250	

Equipotential bonding electrode	Platinum; for monitoring the reference system of the pH sensor	ZU 0073
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