



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

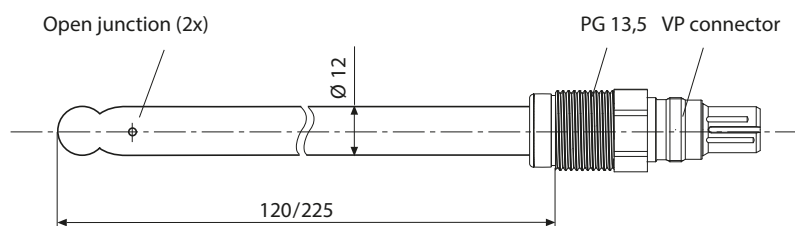
Applications

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

SE 554 pH Sensor

Product line

Sensor

SE 554 pH Sensor

Length

120 mm
225 mm

Order No.

SE 554X/1-NVPN
SE 554X/2-NVPN

Accessories

Cable VP6-ST

Length

3 m
5 m
10 m
20 m

Order No.

CA/VP6ST-003A
CA/VP6ST-005A
CA/VP6ST-010A
CA/VP6ST-020A

CaliMat Buffer Solutions (20 °C)

pH value 2,00 ± 0,02

pH value 4,00 ± 0,02

pH value 7,00 ± 0,02

pH value 9,00 ± 0,02

pH value 12,00 ± 0,05

Quantity

250 ml
250 ml
1000 ml
3000 ml
250 ml
1000 ml
3000 ml
250 ml
1000 ml
3000 ml
250 ml

Order No.

CS-P0200/250
CS-P0400/250
CS-P0400/1000
CS-P0400/3000
CS-P0700/250
CS-P0700/1000
CS-P0700/3000
CS-P0900/250
CS-P0900/1000
CS-P0900/3000
CS-P1200/250

Equipotential bonding
electrode

Platinum; for monitoring the reference system of the pH sensor

ZU 0073



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