



SE 555 pH Sensor

Sterilizable pH sensor providing high reliability and precision.

The SE 555 pH sensor comes with a special pH glass with high impedance for high-temperature applications and a low alkali error. The sensor is CIP- and SIP-capable. The silver ion trap prevents silver sulfide precipitation and junction fouling in media containing sulfides. This makes the sensor ideal for routine applications in food processing and biotechnology.

Applications

Fermentation, food and beverages, aggressive media, extreme pH values

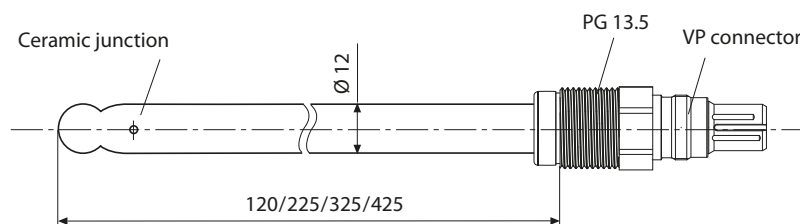
Facts

- Gel electrolyte, pressurized
- Ceramic junction
- Silver ion trap
- Integrated temperature detector
- pH glass with high impedance for high-temperature applications, low alkali error
- CIP/SIP-capable, safe sterilization with temperature monitoring

Specifications

pH:	0 ... 14
Temperature:	0 ... 135 °C
Temperature detector:	Pt1000
Pressure, relative:	-1 ... 6 bar
Reference system:	Ag/AgCl with silver ion trap
Electrolyte:	Prepressurized gel electrolyte
Junction:	Ceramic (1x)
pH glass:	Omega glass, high impedance, low alkali error
Length:	120 mm / 225 mm / 325 mm / 425 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 555 pH sensor	120 mm	SE 555X/1-NVPN
	225 mm	SE 555X/2-NVPN
	325 mm	SE 555X/3-NVPN
	425 mm	SE 555X/4-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
	1000 ml	CS-P0400/1000
	3000 ml	CS-P0400/3000
pH value 4.00 ± 0.02	250 ml	CS-P0700/250
	1000 ml	CS-P0700/1000
	3000 ml	CS-P0700/3000
pH value 7.00 ± 0.02	250 ml	CS-P0900/250
	1000 ml	CS-P0900/1000
	3000 ml	CS-P0900/3000
pH value 9.00 ± 0.02	250 ml	CS-P1200/250
	1000 ml	CS-P1200/1000
	3000 ml	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	ZU 0073
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