



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.

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

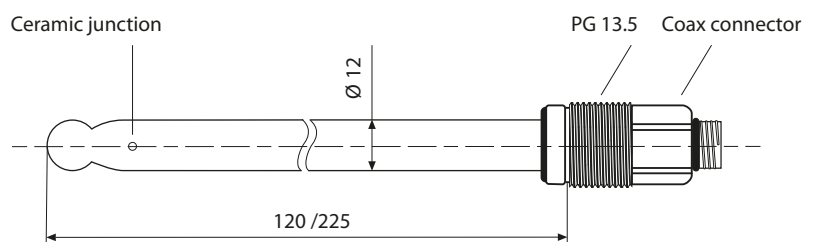
Applications

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

Specifications

pH:	0 ... 14
Temperature:	0 ... 135 °C
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
Process adaptation:	PG 13.5
Sensor connector:	Coax
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 Range

Sensor	Length	Order No.
SE 555 pH sensor	120 mm	SE 555X/1-NS8N
	225 mm	SE 555X/2-NS8N

Accessories	Length	Order No.
AS9 cable	5 m	ZU 0318

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
	250 ml	
pH value 12.00 ± 0.05		

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