

Sensors for pH Measurement

Chem

Energy

Pharm

Food



SE 555 pH Sensor

Autoclavable sensor providing high reliability and precision.

The special pH glass enables a very fast and stable response and makes the sensor CIP- and SIP-capable, even in the harshest of environments. The gel electrolyte of the reference electrode is pressurized and long-term stable. This makes the sensor ideal for routine applications in food processing and biotechnology. It is equally suited for continuous measurements in analytical chemistry.

Facts

- Gel electrolyte, pressurized and long-term stable
- Ceramic junction
- Safe sterilization with temperature monitoring
- Omega glass, high impedance for high-temperature applications, very low alkali error, CIP/SIP capable

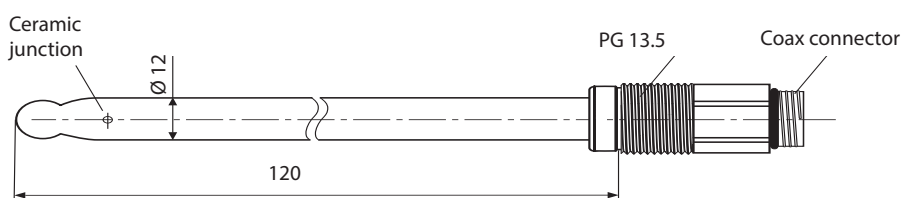
Applications

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

Specifications

pH:	0 ... 14
Temperature:	0 ... 135 °C
Pressure, relative:	-1 ... +6 bar
Pressure resistance:	Up to 12 bar
Sensor material:	Omega glass
Reference system:	Ag/AgCl, prepressurized gel electrolyte
Junction:	Ceramic (1 x)
Length:	120 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

Product Range		Length	Order No.
SE 555 pH sensor		120 mm	SE 555X/1-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
pH value 4.00 ± 0.02		250 ml	CS-P0400/250
		1000 ml	CS-P0400/1000
		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