



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

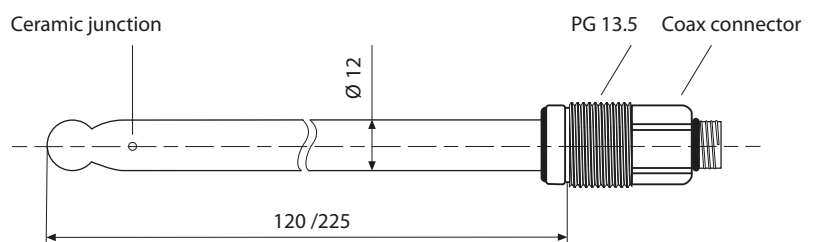
Applications

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

SE 555 pH Sensor

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 |
|---------------------------------|--|---------|