

SE 565 Memosens ORP Sensor

ORP sensor for hygienic processes and sterile applications.

The SE 565 ORP sensors are of low maintenance. Through a ceramic junction, the pressurized reference system with gel electrolyte is in contact with the process medium. The measuring electrode is made of platinum.

SE 565 sensors are designed for simultaneous measurement of ORP and temperature in industrial processes.

They are suitable for sterilization with steam and they provide a reference system which has been developed for the use in food and pharmaceutical products.

Applications

Hygienic and sterile applications, food and pharmaceutical industry, biotechnology.

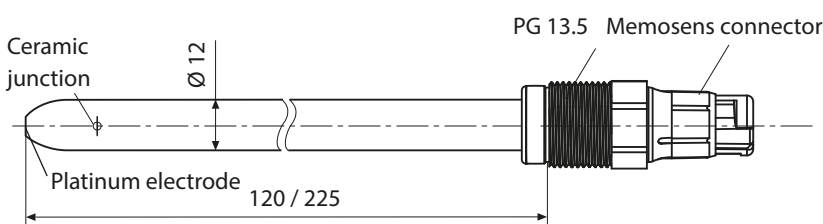
Specifications

| | |
|----------------------------------|--|
| ORP: | -1500 mV ... 1500 mV |
| Temperature: | 0 ... 135 °C |
| Pressure, relative: | -1 ... 6 bar |
| Temperature detector: | NTC 30 kΩ |
| Material of measuring electrode: | platinum |
| Reference system: | Ag/AgCl, pressurized gel electrolyte |
| Junction: | ceramic (1x) |
| Length: | 120 mm / 225 mm |
| Process adaptation: | PG 13.5 |
| Sensor connector: | Memosens |
| ATEX marking: | II 1 G Ex ia IIC T3 / T4 / T6 Ga |
| FM marking: | IS for Class I, Division 1, Groups A, B, C, D; Class I, Zone 0, AEx/Ex ia IIC T6 ... T4 NIFW for Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, IIC T6 ... T4 |

Facts

- perfect galvanic isolation thanks to Memosens technology
- no influence of humidity in the connector
- digital data transfer
- integrated sensor diagnostics
- state-of-the-art gel electrolyte
- integrated temperature detector
- ceramic junction
- for hygienic and sterile applications
- for heavily polluted media
- for media containing sulfides
- for media containing proteins
- suitable for solvent-containing processes

Desenho Dimensional



All dimensions in mm

SE 565 Memosens ORP Sensor

Product Range

Sensor

SE 565 ORP sensor

Length

120 mm
225 mm

Order No.

SE 565X/1-NMSN
SE 565X/2-NMSN

Accessories

Memosens cable

Length

3 m
5 m
10 m
20 m*)

Order No.

CA/MS-003NAA
CA/MS-005NAA
CA/MS-010NAA
CA/MS-020NAA

Memosens cable, Ex

3 m
5 m
10 m
20 m*)

CA/MS-003XAA
CA/MS-005XAA
CA/MS-010XAA
CA/MS-020XAA

Buffer Solutions

Redox buffer solution (220 mV, pH 7)

Quantity

250 ml

Order No.

ZU 0317

MemoSuite

Management software for
Memosens sensors

Basic version (calibration)
Advanced version (calibration, diagnostics, documentation)

Order No.

SW-MS1400-B
SW-MS1400-A

*) Greater lengths on request