



## 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

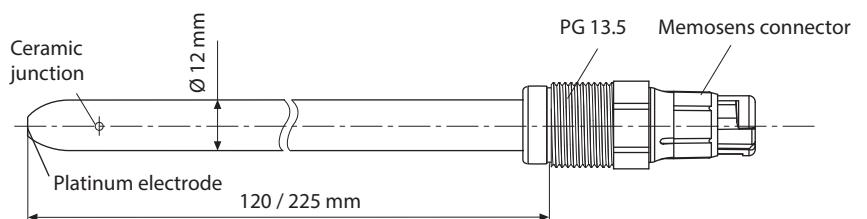
### Facts and Features

- 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

### 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

### Dimension Drawing



# SE 565 Memosens ORP Sensor

## Product Range

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### Length

120 mm  
225 mm

### Order No.

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

### Cable

Memosens cable

### Length

3 m  
5 m  
10 m  
20 m<sup>\*)</sup>

### 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<sup>\*)</sup>

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

### Buffer Solutions

Redox buffer solution (220 mV, pH 7)

250 ml

### Order No.

ZU 0317

<sup>\*)</sup> Greater lengths on request