

# Sensors for pH Measurement

Chem

Energy

Pharm

Food

MEMOSENS



## SE 564 ORP Sensor

Heavy duty ORP sensor providing high reliability and precision

Heavy duty ORP electrode designed for highly contaminated media and high-pressure applications with pressure fluctuations. The state-of-the-art polymer electrolyte of the reference system provides good long-term stability. The 2-hole junction prevents blocking also in waste water containing solid impurities. The platinum electrode is insensitive to oxidizing acids even at elevated temperatures.

### Applications

Process industry, chemistry, industrial sewage, high-pressure applications

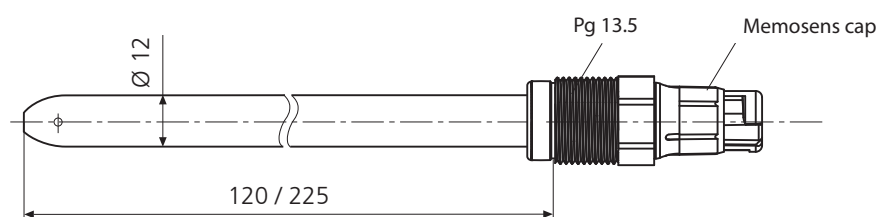
### Facts

- perfect galvanic isolation thanks to Memosens technology
- no influence of humidity in the connector
- digital data transfer
- integrated sensor diagnostics
- state-of-the-art polymer electrolyte
- integrated temperature detector
- 2-hole junction - no blocking
- for industrial sewages
- for processes with large pressure fluctuations
- suitable for solvent-containing processes

### Specifications

ORP:	-1500 mV ... +1500 mV
Temperature:	0 ... 130 °C
Pressure:	up to 10 bars
Temperature detector	NTC 30 kohms
Sensor material:	platinum
Reference system:	Ag/AgCl, polymer electrolyte
Junction:	hole (2x)
Length:	120 mm / 225 mm
Sensor cap:	Memosens
ATEX certificate:	II 1 G Ex ia IIC T3 / T4 / T6

### Dimension Drawing



All dimensions in mm

**Product Range**

SE 564 ORP sensor

Length 120 mm

Length 225 mm

**Order No.**

SE 564X/1-NMSN

SE 564X/2-NMSN

**Cable**

Memosens cable

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

\*) Greater lengths on request