

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

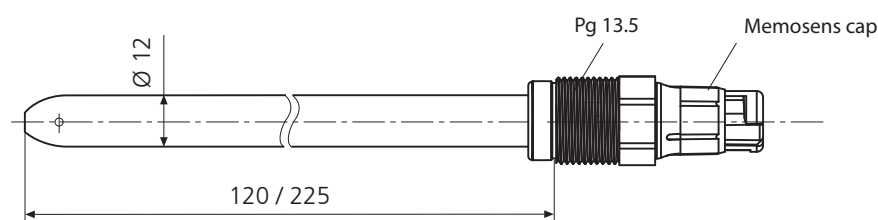
Facts

- 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^{*)}

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)

250 ml

Order No.

ZU 0317

^{*)} Greater lengths on request