



SE 564 Memosens ORP Sensor

Heavy duty ORP sensor providing high reliability and precision

Heavy duty ORP sensor designed for highly contaminated media 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.

Applications

Industrial applications, dyes, precipitation reactions, polluted media

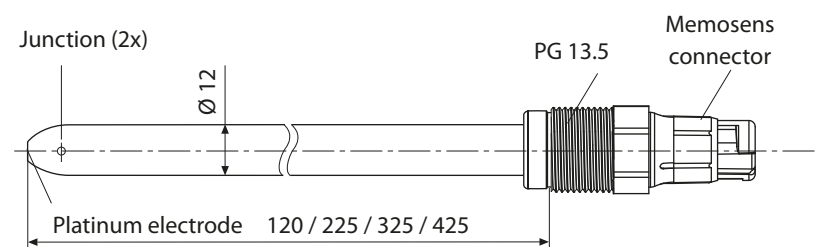
Facts

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

Specifications

ORP:	-1500 mV ... 1500 mV
Temperature:	0 ... 130 °C
Pressure, relative:	0 ... 10 bar
Temperature detector:	NTC 30 kΩ
Material of measuring electrode:	platinum
Reference system:	Ag/AgCl, polymer electrolyte
Junction:	hole (2 x)
Length:	120 mm / 225 mm / 325 mm / 425 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

Dimension Drawing



All dimensions in mm

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Product Range

Sensor

SE 564 ORP sensor

Length

120 mm
225 mm
325 mm
425 mm

Order No.

SE 564X/1-NMSN
SE 564X/2-NMSN
SE 564X/3-NMSN
SE 564X/4-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^{*)}
20 m^{*)}

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