



## 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

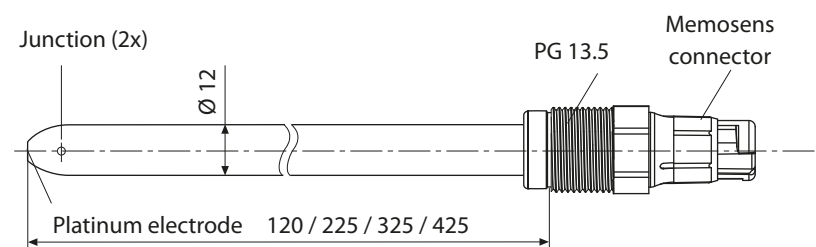
### Facts

- 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

# SE 564 Memosens ORP Sensor

## 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



Email: [sales@dp-flow.co.uk](mailto:sales@dp-flow.co.uk)  
Sales: +44(0) 1608 544222