

Sensors for pH Measurement

Chem

Energy

Pharm

Food

Water

MEMOSENS



SE 565 ORP Sensor

ORP sensor for hygienic processes and sterile applications.

The SE 565 ORP sensors are low-maintenance and pressure-resistant. Through a ceramic junction, the polymer reference system is in contact with the process medium.

The sensor 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

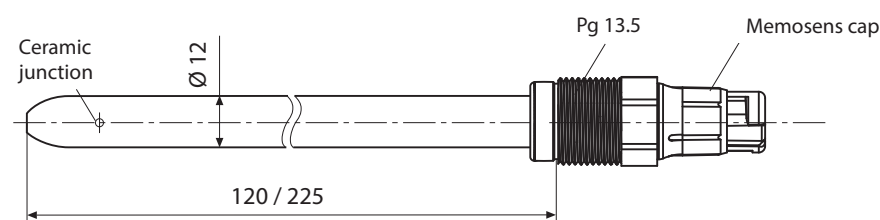
Facts

- 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
- 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:	up to 6 bars
Temperature detector:	NTC 30 kohms
Sensor material:	platinum
Reference system:	Ag/AgCl, polymer electrolyte
Junction:	ceramic (1x)
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

For up-to-date information, please visit www.knick.de

Isolation Amplifiers
Transmitters

Indicators

Process Analytics

Portable Meters

Laboratory Meters

Sensors

Fittings

Knick 

Product Range

SE 565 ORP sensor

Length 120 mm

Length 225 mm

Order No.

SE 565X/1-NMSN

SE 565X/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