

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

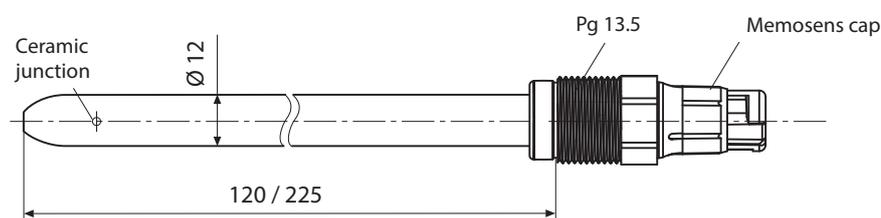
Facts

- 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

Product Range		Order No.
SE 565 ORP sensor	Length 120 mm	SE 565X/1-NMSN
	Length 225 mm	SE 565X/2-NMSN
Cable		
Memosens cable	3 m	CA/MS-003NAA
	5 m	CA/MS-005NAA
	10 m	CA/MS-010NAA
	20 m ^{*)}	CA/MS-020NAA
Memosens cable, Ex 	3 m	CA/MS-003XAA
	5 m	CA/MS-005XAA
	10 m	CA/MS-010XAA
	20 m ^{*)}	CA/MS-020XAA
Buffer Solutions		
Redox buffer solution (220 mV, pH 7)	250 ml	ZU 0317

^{*)} Greater lengths on request