



SE565 Memosens ORP Sensor

ORP sensor for hygienic processes and sterile applications.

The SE565 ORP sensors are of low maintenance. Through a ceramic junction, the pressurized reference system with gel electrolyte is in contact with the process medium. The measuring electrode is made of platinum.

SE565 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 with silver ion trap which has been developed for the use in food and pharmaceutical products.

Applications

Hygienic and sterile applications, food and pharmaceutical industry, biotechnology.

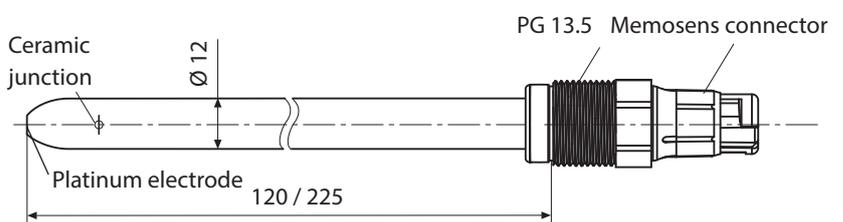
Facts

- Perfect galvanic isolation thanks to Memosens technology
- No influence of humidity in the connector
- Digital data transfer
- Integrated sensor diagnostics
- State-of-the-art gel 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

Measuring range	±1500 mV
Temperature	0...135 °C
Relative process pressure	-1...6 bar
Pressure resistance	12 bar
Junction	ceramic (1x)
Electrolyte	gel electrolyte, pressurized
Reference system	Ag/AgCl with silver ion trap
Material of measuring electrode	platinum
Process connection	PG 13.5
Tightening torque	1...3 Nm
Temperature detector	NTC 30 kΩ

Dimension Drawing



All dimensions in mm

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Product Range

Sensor		Length	Order No.
SE565 ORP sensor		120 mm	SE565X/1-NMSN
		225 mm	SE565X/2-NMSN
Accessories		Length	Order No.
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		Quantity	Order No.
Redox buffer solution (220 mV, pH 7)		250 ml	ZU0317
MemoSuite		Order No.	
Management software for Memosens sensors	Basic version (calibration)	SW-MS1400-B	
	Advanced version (calibration, diagnostics, documentation)	SW-MS1400-A	

*) Greater lengths on request