

SE 565 Memosens ORP Sensor

ORP sensor for hygienic processes and sterile applications.

The SE 565 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.

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.

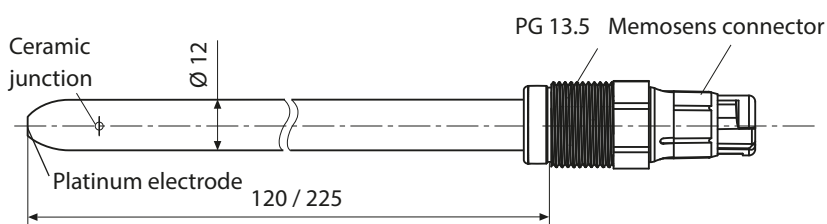
Specifications

ORP:	-1500 mV ... 1500 mV
Temperature:	0 ... 135 °C
Pressure, relative:	-1 ... 6 bar
Temperature detector:	NTC 30 kΩ
Material of measuring electrode:	platinum
Reference system:	Ag/AgCl, pressurized gel electrolyte
Junction:	ceramic (1x)
Length:	120 mm / 225 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

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

Desenho Dimensional



All dimensions in mm

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Product Range

Sensor	Length	Order No.
SE 565 ORP sensor	120 mm	SE 565X/1-NMSN
	225 mm	SE 565X/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	ZU 0317

MemoSuite		Order No.
Management software for	Basic version (calibration)	SW-MS1400-B
Memosens sensors	Advanced version (calibration, diagnostics, documentation)	SW-MS1400-A

*) Greater lengths on request