



SE 555 Memosens pH/ORP Sensor

Autoclavable sensor providing high reliability and precision, digital, with Memosens technology

The special pH glass enables a very fast and stable response and makes the sensor CIP- and SIP-capable, even in the harshest of environments. The gel electrolyte of the reference electrode is pressurized and long-term stable. This makes the sensor ideal for routine applications in food processing and biotechnology. It is equally suited for continuous and simultaneous measurements of pH and ORP values in analytical chemistry.

Applications

Chemical, pharmaceutical, biotechnology, food and beverage industries.

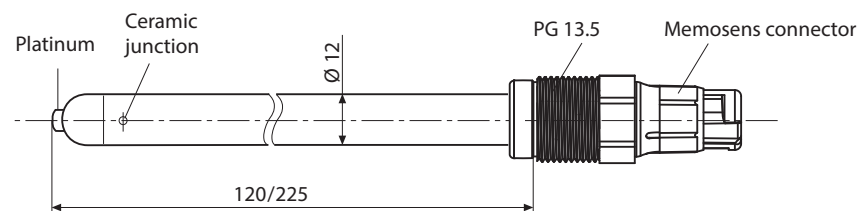
Facts

- Simultaneous measurement of pH and ORP
- Perfect galvanic isolation thanks to Memosens technology
- No influence of humidity in the connector
- Precalibration in the lab
- Digital data transfer
- Integrated sensor diagnostics
- Gel electrolyte, pressurized and long-term stable
- Special pH glass, suitable for sterilization
- Integrated temperature detector
- Ceramic junction
- Safe sterilization with temperature monitoring
- CIP- and SIP-capable

Specifications

pH:	0 ... 14
ORP:	-1500 ... +1500 mV
Temperature:	0 ... 135 °C
Pressure, relative:	-1 ... 6 bar
Temperature detector:	NTC 30 kΩ
pH sensor material:	Omega glass
ORP sensor material:	Platinum
Reference system:	Ag/AgCl, prepressurized gel electrolyte
Junction:	Ceramic (1 x)
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

Dimension Drawing



Product line	Length	Order No.
SE 555 pH/ORP sensor	120 mm	SE 555X/1-AMSN
	225 mm	SE 555X/2-AMSN

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

CaliMat Buffer Solutions (20 °C)	Quantity	Order No.
pH value 2.00 ± 0.02	250 ml	CS-P0200/250
	250 ml	CS-P0400/250
	1000 ml	CS-P0400/1000
pH value 4.00 ± 0.02	3000 ml	CS-P0400/3000
	250 ml	CS-P0700/250
	1000 ml	CS-P0700/1000
pH value 7.00 ± 0.02	3000 ml	CS-P0700/3000
	250 ml	CS-P0900/250
	1000 ml	CS-P0900/1000
pH value 9.00 ± 0.02	3000 ml	CS-P0900/3000
	250 ml	CS-P1200/250
	1000 ml	CS-P1200/1000
pH value 12.00 ± 0.05	3000 ml	CS-P1200/3000
	250 ml	ZU 0317
	1000 ml	
Redox buffer solution +220 mV	250 ml	

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