

Sensors for pH Measurement

Chem

Pharm

Food

MEMOSENS



SE 532 Memosens pH Sensor

For standard applications with gel electrolyte and temperature detector; sterilizable, autoclavable, CIP-capable, digital with Memosens technology

Universal, low-maintenance sensor for standard chemistry applications. Sterilizable and autoclavable for processes in biotechnology and pharmaceutical industries. The silver ion trap prevents silver sulfide precipitation and junction fouling in media containing sulfides.

Applications

Standard sensor for chemical processes, food and pharmaceutical processes, media containing sulfides, sterilizable

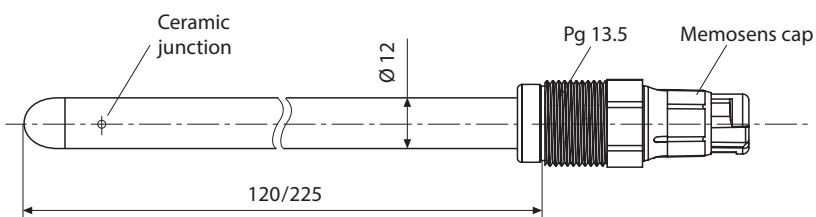
Facts

- Perfect galvanic isolation thanks to Memosens technology
- No influence of humidity in the connector
- Precalibration in the lab
- Digital data transfer
- Integrated sensor diagnostics
- Low maintenance, no refilling of electrolyte
- Integrated temperature detector
- Ceramic junction
- Silver ion trap
- CIP- and SIP-capable
- Autoclavable

Specifications

pH:	0 ... 14
Temperature:	0 ... 80 °C (135 °C for sterilization)
Pressure:	-1 ... 6 bars
Temperature detector:	NTC 30 kohms
Sensor material:	Highly alkali-resistant glass
Reference system:	Ag/AgCl with silver ion trap, gel electrolyte, acrylamide-free
Junction:	Ceramic (1 x)
Length:	120 mm / 225 mm
Process adaptation:	Pg 13.5
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 532 pH sensor	Length 120 mm	SE 532X/1-NMSN
	Length 225 mm	SE 532X/2-NMSN
Accessories		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 (20 °C)		Order No.
pH value 2.00 ± 0.02	250 ml	CS-P0200/250
	250 ml	CS-P0400/250
	1000 ml 3000 ml	CS-P0400/1000 CS-P0400/1000
pH value 7.00 ± 0.02	250 ml	CS-P0700/250
	1000 ml	CS-P0700/1000
	3000 ml	CS-P0700/1000
pH value 9.00 ± 0.02	250 ml	CS-P0900/250
	1000 ml	CS-P0900/1000
	3000 ml	CS-P0900/1000
pH value 12.00 ± 0.05	250 ml	CS-P1200/250
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