

MEMO SENS



## SE 571 Memosens pH Sensor

Low-maintenance sensor for demanding process applications in the chemical industry, digital, with Memosens technology

The special design enables pH measurements to be taken in demanding, contaminated media. Through a PTFE ring junction, the reference system is in direct contact with the measured medium. There is hardly any risk of contamination or blocking of the junction. A salt reservoir protects against leaching. A special cartridge reference element, with silver ion trap, prevents poisoning of the reference system. Resistant to high pressure.

### Applications

Measurement in media of extremely high ionic strength, salt brines, strongly oxidizing media, acidic and alkaline media, also with high load of debris, paint shops

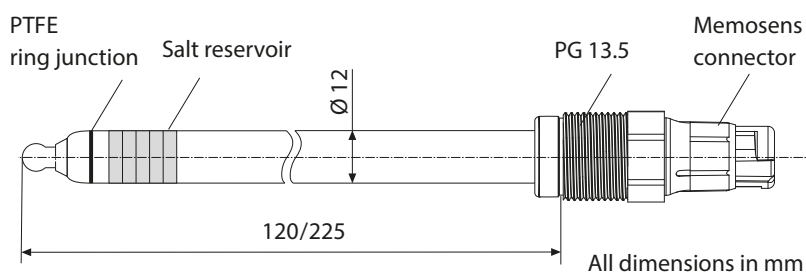
### Specifications

pH:	0 ... 14
Temperature:	-5 ... 130 °C
Pressure, relative:	0 ... 12 bar
Temperature detector:	NTC 30 kΩ
Sensor material:	Alpha glass with medium impedance, universal glass, fluoride resistant
Reference system:	Ag/AgCl, incl. silver ion trap and salt reservoir
Junction:	PTFE ring
Length:	120 mm / 225 mm
Process connection:	PG 13.5
Sensor connector:	Memosens
ATEX Certificate:	II 1 G Ex ia IIC T3/T4/T6
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 and Features

- 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
- PTFE ring junction, no blocking
- Also available as version without paint-wetting impairment substances (PWIS-free)

### Dimension Drawing



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## Product Range

Sensor	Length	Order No.
SE 571 pH sensor	120 mm	SE 571X/1-NMSN
	225 mm	SE 571X/2-NMSN
SE 571 pH sensor, PWIS-free	120 mm	SE 571X/1-NMSN-LABS

Accessories	Length	Order No.
Memosens cable	3 m	CA/MS-003NAA
	5 m	CA/MS-005NAA
	10 m	CA/MS-010NAA
	20 m <sup>*)</sup>	CA/MS-020NAA
Memosens cable, Ex	3 m	CA/MS-003XAA
	5 m	CA/MS-005XAA
	10 m	CA/MS-010XAA
	20 m <sup>*)</sup>	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
pH value 9,00 ± 0,02	1000 ml	CS-P0900/1000
	3000 ml	CS-P0900/3000
	250 ml	CS-P1200/250
pH value 12,00 ± 0,05		

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

<sup>\*)</sup> Greater lengths on request