

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

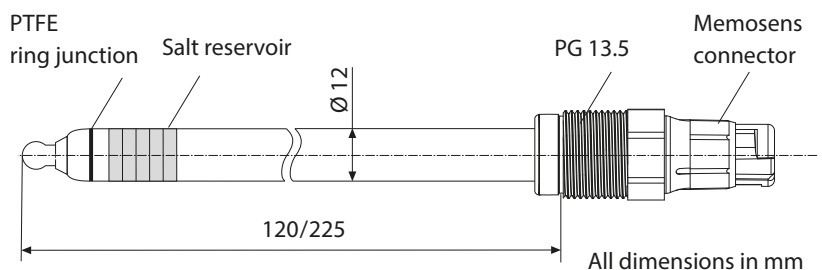
Specifications

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 ^{*)}	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
	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

