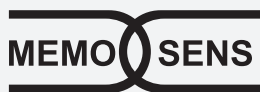


Sensors for pH Measurement



SE 571 Memosens pH Sensor

Teflon® junction sensor for process applications

The design provides high accuracy, stability, speed, and a long life. Through a PTFE ring junction, the reference system is in direct contact with the measured medium. There is low risk of contamination or plugging of the junction. A salt reservoir protects against leaching. A cartridge reference element prevents poisoning of the reference system. Resistant to high pressure.

Applications

Measurement in media of extremely high ionic strength, brine, strongly oxidizing media, acidic and alkaline media, also with high content of contaminants

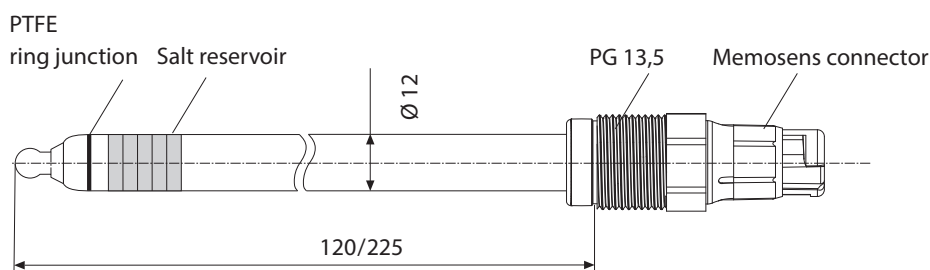
Facts

- 266°F (130 °C)
- 174 psi (12 bar)
- Reference electrode with salt reservoir and cartridge reference element
- Perfect galvanic isolation thanks to Memosens technology
- No influence of humidity in the connector
- Pre-calibration in the shop or lab
- Digital data transfer
- Integrated sensor diagnostics
- Low maintenance, no refilling of electrolyte
- Integrated temperature detector
- PTFE ring junction, no plugging

Specifications

pH:	0 ... 14
Temperature:	-5 ... +130 °C
Pressure, relative:	0 ... 12 bar
Temperature detector:	NTC 30 kΩ
Sensor material:	Alpha glass, 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 marking:	II 1 G Ex ia IIC T3/T4/T6
FM Approvals (US & C)	Cl. 1 Div. 1, GP ABCD T3/T4/T6

Dimensional Drawing



Sensor	Length	Order No.
pH-Sensor SE 571	120 mm	SE 571X/1-NMSN
	225 mm	SE 571X/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
CaliMat Buffer Solutions (20° C)	Quantity	Order No.
pH value 2,00 ± 0,02	250 ml	CS-P0200/250
pH value 4,00 ± 0,02	250 ml	CS-P0400/250
	1000 ml	CS-P0400/1000
	3000 ml	CS-P0400/3000
pH value 7,00 ± 0,02	250 ml	CS-P0700/250
	1000 ml	CS-P0700/1000
	3000 ml	CS-P0700/3000
pH value 9,00 ± 0,02	250 ml	CS-P0900/250
	1000 ml	CS-P0900/1000
	3000 ml	CS-P0900/3000
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