

SE 559 Memosens pH Sensor

For uncomplicated measurement in water and analytical chemistry, digital, with Memosens technology.

The calibrated annular junction enables precise measurements in process media virtually without influence of flow. The large contact surface of the junction minimizes problems caused by contamination.

The sensor is ideal for processes for which liquid-electrolyte sensors should be used, but where maintenance is impossible for a longer period of time.

Applications

Water supply and distribution, chemical processes.

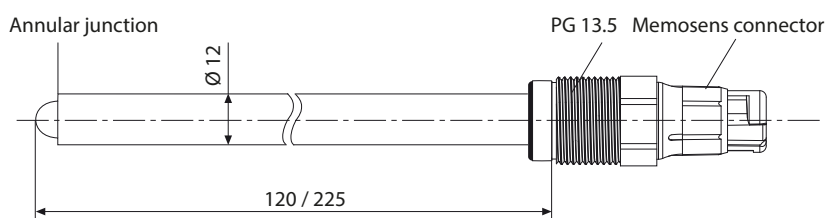
Facts

- 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
- Calibrated annular junction
- Independent of flow
- Alpha glass, medium impedance, universal glass, fluoride resistant

Specifications

pH:	0 ... 14
Temperature:	–5 ... 100 °C
Pressure, relative:	0 ... 6 bar
Temperature detector:	NTC 30 kohms
Sensor material:	Alpha glass
Reference system:	Ag/AgCl, polymeric electrolyte
Junction:	Calibrated annular junction
Length:	120 mm / 225 mm
Process adaptation:	PG 13.5
Sensor connector:	Memosens
ATEX marking:	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

Dimension Drawing



All dimensions in mm

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Product Range

Sensor	Length	Order No.
SE 559 pH Sensor	120 mm	SE 559X/1-NMSN
	225 mm	SE 559X/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
	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