

Sensors for pH Measurement

Chem

Energy

Water

MEMOSENS



SE 558 Memosens pH Sensor

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

Low-maintenance pH sensors with gel reference electrolyte. The SE 558 sensor has an integrated temperature detector to allow automatic temperature compensation of the pH signal during calibration and operation. The SE 558 sensor is particularly suitable for use in media of very low conductivity. It provides 3 ceramic junctions and a KCl reservoir.

Applications

Boiler feed water, condensate, ultrapure water, water supply and distribution, WFI.

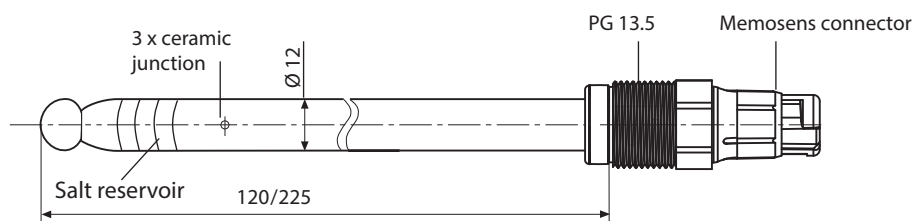
Facts

- 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
- 3 ceramic junctions
- Independent of flow
- KCl reservoir
- Alpha glass, medium impedance, universal glass, fluoride resistant

Specifications

pH:	0 ... 14
Temperature:	-5 ... +100 °C
Pressure, relative:	-1 ... +3 bar
Temperature detector:	NTC 30 kΩ
Sensor material:	Alpha glass
Reference system:	Ag/AgCl, gel electrolyte, salt reservoir
Junction:	Ceramic (3 x)
Length:	120 mm / 225 mm
Process adaptation:	PG 13.5
Sensor connector:	Memosens
ATEX marking:	II 1 G Ex ia IIC T3/T4/T6

Dimension Drawing



All dimensions in mm

Product Range	Length	Order No.
SE 558 pH sensor	120 mm	SE 558X/1-NMSN
	225 mm	SE 558X/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
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	

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