

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

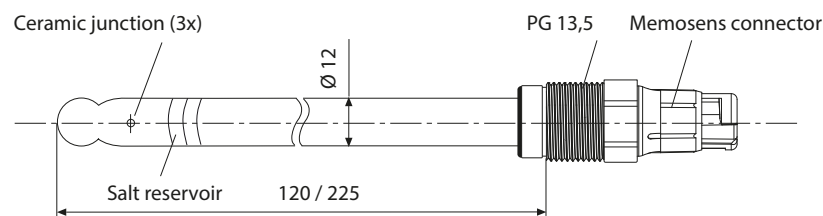
Facts

- 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
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

SE 558 Memosens pH Sensor

Product Range

Sensor

SE 558 pH Sensor

Length

120 mm
225 mm

Order No.

SE 558X/1-NMSN
SE 558X/2-NMSN

Accessories

Memosens cable

Length

3 m
5 m
10 m
20 m^{*)}

Order No.

CA/MS-003NAA
CA/MS-005NAA
CA/MS-010NAA
CA/MS-020NAA

Memosens cable, Ex

3 m
5 m
10 m
20 m^{*)}

CA/MS-003XAA
CA/MS-005XAA
CA/MS-010XAA
CA/MS-020XAA

CaliMat Buffer Solutions (20 °C)

pH value 2,00 ± 0,02

Quantity

250 ml
250 ml
1000 ml
3000 ml

Order No.

CS-P0200/250
CS-P0400/250
CS-P0400/1000
CS-P0400/3000

pH value 4,00 ± 0,02

pH value 7,00 ± 0,02

pH value 9,00 ± 0,02

pH value 12,00 ± 0,05

250 ml
1000 ml
3000 ml

CS-P0700/250
CS-P0700/1000
CS-P0700/3000

250 ml
1000 ml
3000 ml

CS-P0900/250
CS-P0900/1000
CS-P0900/3000

250 ml

CS-P1200/250

MemoSuite

Management software for
Memosens sensors

Basic version (calibration)

Advanced version (calibration, diagnostics, documentation)

Order No.

SW-MS1400-B
SW-MS1400-A

^{*)} Greater lengths on request

