

MEMO SENS



SE547 Memosens pH Sensor

Break-proof ISFET sensor, digital, with Memosens technology

The SE547N/*-MMSN-A2 digital pH sensor is a glass-free pH sensor with a break-proof PEEK body and ISFET chip.

The sensor is CIP/SIP capable and autoclavable as well. It is particularly suitable for hygienic applications in the food and pharmaceutical sectors.

In addition, Memosens technology provides all known advantages when it comes to handling and sensor diagnostics.

Applications

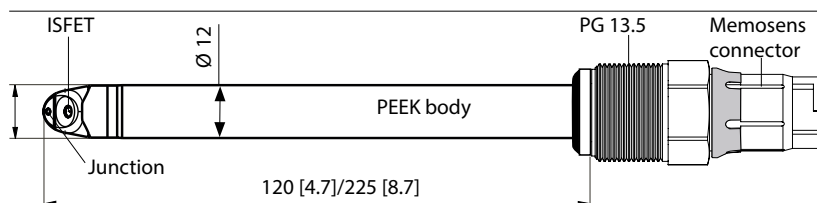
Hygienic and sterile applications, food and pharmaceutical sectors, and biotechnology

Facts and features

Specifications

pH:	0 ... 14 (limited lifetime with concurrently high pH value and high temperature)
Temperature range:	-15 ... 135 °C (5 ... 275 °F)
Temperature detector	Pt1000
Relative pressure:	-0.2 ... 10 bar (100 °C/212 °F), 0 ... 3 bar (135 °C/275 °F)
Reference system:	Ag/AgCl
Electrolyte:	Gel electrolyte
Junction:	Ceramic (1 x)
Sensor material (pH):	ISFET chip
Wetted materials:	PEEK, EPDM (both FDA-compliant)
Length:	120 mm/225 mm
Process connection:	PG 13.5
Connector:	Memosens

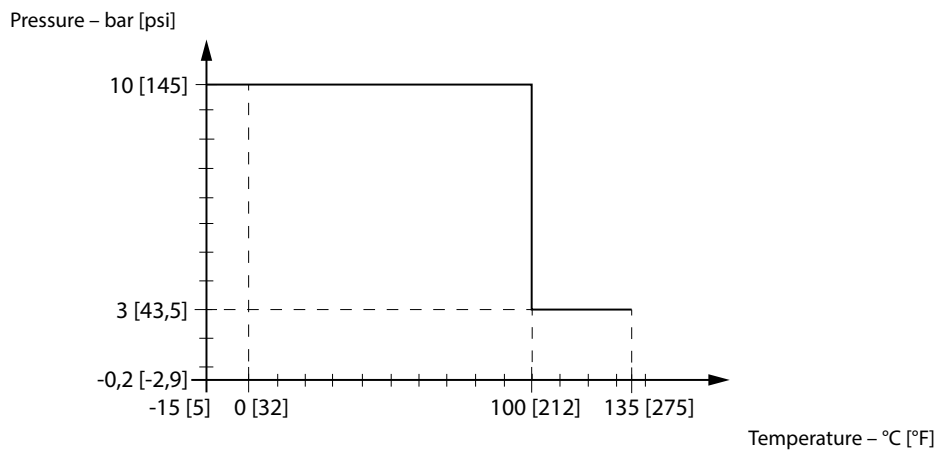
Dimension drawing



All dimensions in mm [inches]

SE547 pH Sensor

Pressure/temperature diagram



Product line

Sensor

SE547 pH sensor

Length

120 mm
225 mm

Order no.

SE547N/1-NMSN-A2
SE547N/2-NMSN-A2

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
1000 ml
3000 ml

Order no.

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

pH value 4.00 ± 0.02

250 ml
1000 ml
3000 ml

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

pH value 7.00 ± 0.02

250 ml
1000 ml
3000 ml

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

pH value 9.00 ± 0.02

250 ml
1000 ml
3000 ml

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

pH value 12.00 ± 0.05

250 ml

CS-P1200/250

MemoSuite

Management software for Memosens sensors

Basic version (calibration)
Advanced version (calibration, diagnostics, and documentation)

Order no.

SW-MS1400-B
SW-MS1400-A

*) Longer lengths upon request