

SE 102-MS pH Sensor

**pH sensor with high reliability and precision,
digital, with Memosens technology**

The special pH glass enables rapid, stable sensor response. It can be used in a broad temperature range, even under difficult measuring conditions. The liquid electrolyte of the reference electrode can be refilled. Designed for a wide range of applications, the sensor is ideal for measuring with Portavo portable analyzers.

Applications

Chemistry, quality control,
food and beverages,
aggressive media

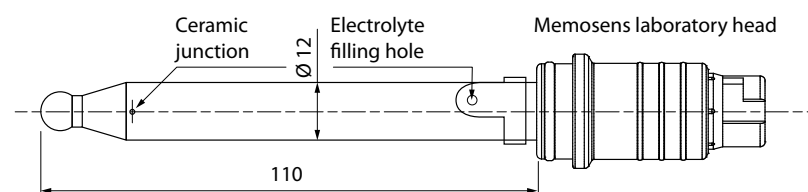
Facts and Features

- Perfect galvanic isolation thanks to Memosens technology
- No influence of humidity in the connector
- Can be precalibrated
- Digital data transfer
- Integrated sensor diagnostics
- Liquid electrolyte, refillable
- Integrated temperature detector
- Ceramic junction
- Special pH glass with low impedance; suitable for measurements in a broad temperature range, including low temperatures

Specifications

pH:	0 ... 14
Temperature:	–5 ... 100 °C
Temperature detector:	NTC 30 kΩ
Reference system:	Ag/AgCl, liquid electrolyte, refillable
Junction:	Ceramic
Length:	110 mm
Sensor connector:	Memosens laboratory head, for use with Portavo sensor quiver

Dimension Drawing



All dimensions in mm

SE 102-MS Memosens pH Sensor

Product Range

Sensor	Length	Order No.
SE 102-MS pH sensor	110 mm	SE 102-MS

Accessories

Accessories	Length	Order No.
Memosens cable	1.5 m	CA/MS-001XFA-L
	2.9 m	CA/MS-003XFA-L

CaliMat Buffer Solutions (20 °C)

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

Electrolyte Solution

Electrolyte Solution	Quantity	Order No.
KCl, 3 mol/l	250 ml	ZU 0960

MemoSuite

MemoSuite		Order No.
Management software for	Basic version (calibration)	SW-MS1400-B
Memosens sensors	Advanced version (calibration, diagnostics, documentation)	SW-MS1400-A