MEMO SENS

SE 104-MS pH Sensor

Robust pH puncture sensor with plastic body, digital, with Memosens technology

Ergonomically formed puncture sensor with stable body for optimal handling; particularly in tough samples such as meat and cheese.

Unlike typical puncture sensors, this sensor with Memosens technology has an integrated temperature detector.
As a result, it enables automatic temperature compensation and reliable measurement.

The reference system with 2 open junctions creates a good contact to the process medium. The measured value stabilizes quickly and the sensor delivers stable measured values.

And contactless, digital Memosens technology offers significant advantages with regard to handling and robustness. Moisture and contamination at the connector are no longer relevant.

Applications
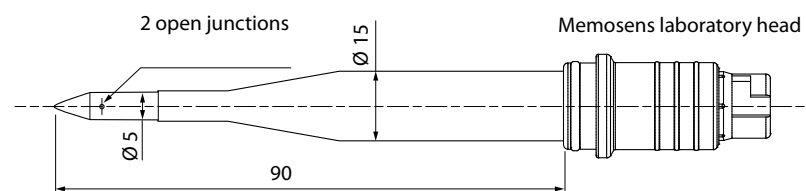Semi-solid and very tough samples as common in the food industry

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
– Integrated temperature detector
– 2 open junctions
– Robust puncture sensor with a special geometry and Noryl (PPE) plastic body

Specifications

pH:	2 ... 13
Temperature:	–5 ... 80 °C
Temperature detector:	NTC 30 kΩ
Reference system:	Polymer
Junction:	Open junctions
Length:	90 mm
Body material	Noryl (PPE)
Sensor connector:	Memosens laboratory head, for use with Portavo sensor quiver
Connector material	PPS/PVC Gaskets: EPDM

Dimension Drawing

2 open junctions   Ø 15   Memosens laboratory head

Ø 5

90

All dimensions in mm

Product Range

Sensor	Length	Order No.
SE 104-MS pH sensor	110 mm	**SE 104-MS**

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)	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**

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