Sensors for pH Measurement

Water

MEMO SENS

pH

Knick SE 515/1-MS Pmax 4 bar tmax 80 ℃ MEMO SENS CE

SE 515 Memosens pH Sensor

Reasonably priced sensor for water and wastewater treatment

Thanks to its ground-glass sleeve junction even applicable in heavily contaminated media. Designed for MemoRail applications. High stability and a long life cycle are achieved by the special design.
Through a ground-glass sleeve junction the reference system is in direct contact with the measured medium. There is hardly any risk of contamination or blocking of the junction. Measurement is possible even at low temperatures thanks to a special low-impedance glass.

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
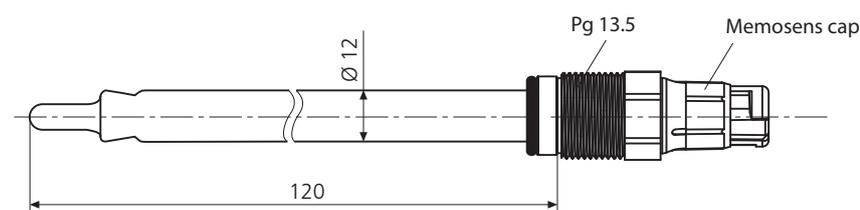– Integrated temperature detector
– Ground-glass sleeve junction

Applications
Water/wastewater treatment.

Specifications

pH:	0 … 14
Temperature:	-5 … 80 ℃
Pressure:	Max. 4 bars
Temperature detector:	NTC 30 kohms
Sensor material:	Low-impedance standard pH glass
Reference system:	Ag/AgCl, gel electrolyte
Junction:	Ground glass sleeve
Length:	120 mm edge length
Process adaptation:	Pg 13.5
Sensor cap:	Memosens

Dimension Drawing

Ø 12
Pg 13.5
Memosens cap
120

All dimensions in mm

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Product Range		Order No.
SE 515 pH sensor	Length 120 mm	SE 515/1-MS

Accessories		Order No.
Memosens cable	3 m	CA/MS-003NAA
	5 m	CA/MS-005NAA
	10 m	CA/MS-010NAA
	20 m*)	CA/MS-020NAA

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-P0400/1000
pH value 7.00 ± 0.02	250 ml	CS-P0700/250
	1000 ml	CS-P0700/1000
	3000 ml	CS-P0700/1000
pH value 9.00 ± 0.02	250 ml	CS-P0900/250
	1000 ml	CS-P0900/1000
	3000 ml	CS-P0900/1000
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

*) Greater lengths on request

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