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MEMO SENS

SE715 Memosens Oxygen Sensor

Affordable sensor for water and wastewater treatment. Designed for Memo-Rail applications.

The SE715 is a digital amperometric oxygen sensor used to determine dissolved oxygen content in aqueous media. It requires little maintenance and features high long-term stability, a fast response, and low flow dependence. In addition, Memosens technology provides the full range of established benefits in terms of handling and sensor diagnostics.

Applications

Water, wastewater, aeration, ventilation control, fish farming, aquariums
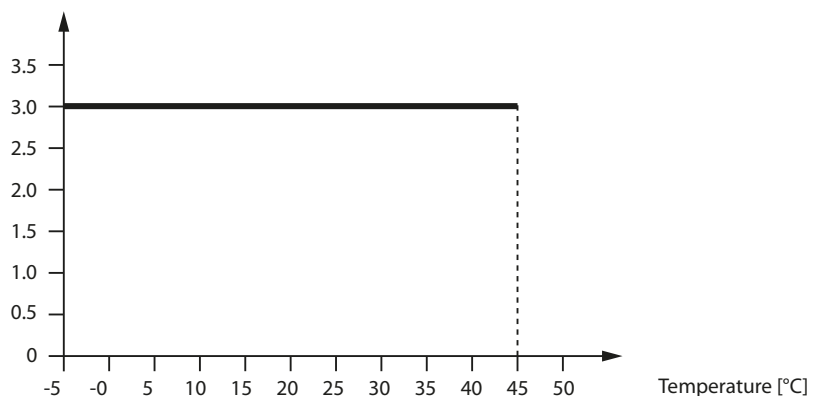
Facts and Features

– Low flow dependence
– Quick response
– Low maintenance, high long-term stability
– Perfect galvanic isolation thanks to Memosens technology
– No influence of humidity in the connector
– Precalibration in the lab
– Digital data transfer
– Integrated sensor diagnostics

Specifications

Measuring range:	0 ... 20 mg/l
Response time:	t90: <30 s
Signal current in air:	100 ... 130 nA
Flow dependence:	Low
Pressure, relative:	Max. 3 bar
Permissible temperature range:	-5 ... 45 °C
Temperature detector:	NTC 22 kΩ
Membrane material:	Silicone
Connector:	Memosens
Body material:	Polysulfone
Immersion depth:	Min. 30 mm
Process connection:	PG 13.5
Tightening torque:	1 ... 3 Nm

Pressure/Temperature Diagram

Pressure [bar]

Temperature [°C]

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Product Line

	Length	Order No.
SE715 oxygen sensor	120 mm	**SE715/1-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**

MemoSuite

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

* Greater lengths on request

Dimension Drawing

PG 13.5   Memosens connector

Ø 12

120