Sensors for Conductivity Measurement

Water

MEMO SENS

Cond

SE 615/1-MS

Pmax. 4 bar
tmax: 80 °C

Knick
MEMO SENS

SE 615 Memosens 2-Electrode Sensor

**Reasonably priced sensor for
water and wastewater treatment**

Large measuring range thanks to electrodes made from low polarized special graphite. Designed for MemoRail applications.
The SE 615 conductivity sensor with Memosens connector system has 2 graphite electrodes and requires low maintenance. The integrated temperature detector provides automatic temperature compensation during calibration and operation of the sensor.
The sensor is designed for simultaneous measurement of conductivity and temperature in industrial processes.

Applications
Water/wastewater treatment.

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
– Integrated temperature detector
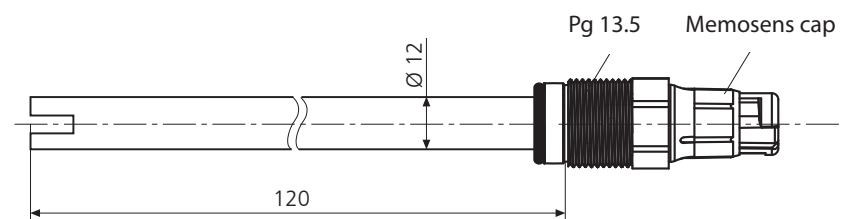– 2 graphite electrodes

Specifications

Cell constant:	Approx. 1/cm
Measuring range:	10 µS/cm … 20 mS/cm
Temperature:	-5 ... +80 °C
Pressure:	Max. 4 bar
Temperature detector:	NTC 30 kohms
Body material:	Polysulfone
Membrane material:	Graphite
Measuring principle:	2-pole
Length:	120 mm
Process adaptation:	Pg 13.5
Sensor cap:	Memosens

Dimension Drawing

Pg 13.5   Memosens cap

Ø 12

120

All dimensions in mm

For up-to-date information, please visit **www.knick.de**

Knick ❯

Product Range		Order No.
SE 615 2-electrode conductivity sensor	Length 120 mm	SE 615/1-MS

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

Conductivity Standards				Order No.
Conductivity standard	KCl	300 ml	15 µS/cm ± 1 %	**ZU 0350**
	KCl	500 ml	147 µS/cm ± 1 %	**ZU 0702**

Certificate	Order No.
Calibration Certificate	**ZU 0320**

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