Conductivity Sensors

SE 202-MS Conductivity Sensor

2-electrode conductivity sensor with stainless steel body, digital, with Memosens technology

Digital 2-electrode sensor for low to ultra low conductivity.

Contactless, digital Memosens technology offers significant advantages with regard to handling and measurement reliability. The sensor head saves calibration data, operating time and the sensor designation and serial number.

Applications

Measurement in media with low conductivity such as ultrapure water/boiler feedwater and demineralized or ion-exchanged water.
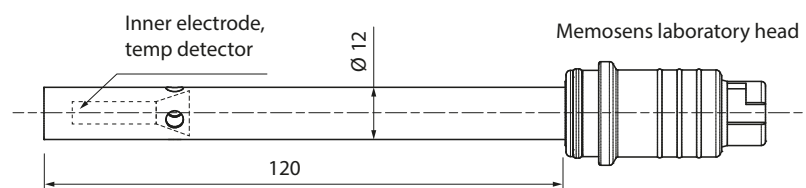
Facts and Features

- 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
- Stainless steel 1.4571 body

Specifications

Conductivity:	0 ... 200 µS/cm
Resolution:	0.01 µS/cm
Cell constant:	0.1 cm^{-1}
Temperature:	23 ... 176 °F (−5 ... 80 °C)
Pressure:	1 bar (relative)
Temperature detector:	NTC 30 kΩ
Electrodes:	Coaxial arrangement, stainless steel 1.4571
Body material:	Stainless steel 1.4571
Isolator:	POM
Gasket:	Viton
Body length:	120 mm
Sensor connector:	Memosens laboratory head, for use with Portavo sensor quiver
Connector material	PPS/PVC/EPDM
Immersion depth:	Min. 35 mm

Dimension Drawing

Inner electrode, temp detector

Ø 12

Memosens laboratory head

120

All dimensions in mm

SE 202-MS Memosens Conductivity Sensor

Product Range

Sensor		Length	Order No.
SE 202-MS conductivity sensor	incl. flow cell	120 mm	**SE 202-MS**

Accessories	Length	Order No.
Memosens cable	1.5 m	**CA/MS-001XFA-L**
	2.9 m	**CA/MS-003XFA-L**
Flow cell (spare part)		**ZU 1014**

Calibration Solutions	Quantity	Order No.
Conductivity standard 1.3 µS/cm, KCl	300 ml	**ZU 0701**
Conductivity standard 15 µS/cm, KCl	500 ml	**CS-C15K/500**
Conductivity standard 147 µS/cm, KCl	500 ml	**CS-C147K/500**

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