

Sensors for Conductivity Measurement

MEMOSENS



SE 615 Memosens 2-Electrode Sensor

Sensor for water, wastewater, and industrial processes

Large measuring range thanks to electrodes made from low polarized graphite. The SE 615 conductivity sensor with Memosens connector system has 2 graphite electrodes. 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.

Facts

- Perfect galvanic isolation thanks to Memosens technology
- No influence of humidity in the connector
- Precalibration in the shop or lab
- Digital data transfer
- Integrated sensor diagnostics
- Low maintenance
- Integrated temperature detector
- 2 graphite electrodes

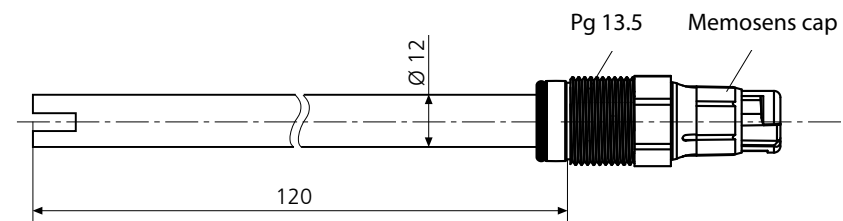
Applications

Water/wastewater treatment and industrial processes

Specifications

| | |
|-----------------------|------------------------------|
| Cell constant: | Approx. 1/cm |
| Measuring range: | 10 μ S/cm ... 20 mS/cm |
| Temperature: | 23 ... 176 °F (-5 ... 80 °C) |
| Pressure: | Max. 58 psi (4 bar) |
| Temperature detector: | NTC 30 kOhm |
| Body material: | Polysulfon |
| Membrane material: | Graphite |
| Measuring principle: | 2-pole |
| Length: | 120, 225 mm |
| Process adaptation: | Pg 13.5 |
| Sensor cap: | Memosens® |

Dimensional Drawing



All dimensions in mm

New England - ETA Process Instrumentation
 119 Foster Street, Bldg #6
 Peabody, MA 01960
 Tel: (978) 532-1330
 www.etapii.com
 sales@etapii.com

Upstate NY - Martech Controls
 2000 Teall Avenue
 Syracuse, NY 13026
 Tel: (315) 876-9120
 www.martechcontrols.com
 sales@martechcontrols.com

Product Range

SE 615 2-electrode conductivity sensor

Length 120 mm

Order No.

SE 615/1-MS

Cable

Memosens®-Cable

3 m

Order No.

CA/MS-003NAA

5 m

CA/MS-005NAA

10 m

CA/MS-010NAA

20 m*)

CA/MS-020NAA

Conductivity Standards

Conductivity Standards

KCl 300 ml 15 µS/cm ±1 %

Order No.

ZU 0350

KCl 500 ml 147 µS/cm ±1 %

ZU 0702

Certificate

Calibration Certificate

Order No.

ZU 0320

MemoSuite

Management software for Memosens sensors

Basic version (calibration)

Order No.

SW-MS1400-B

Advanced version (calibration, diagnostics, documentation)

SW-MS1400-A

*) Greater lengths on request