

Sensors for Conductivity Measurement



SE 670 Toroidal Conductivity Sensor

PP (polypropylene) toroidal sensor for for basic applications

The SE 670 is a universal digital conductivity sensor with large measuring range for moderate chemical stress. It has an integrated, fast response temperature detector.

Applications

Fresh water and wastewater treatment, electroplating, cooling tower monitoring, brine, alkaline solutions, caustic treatment

Facts

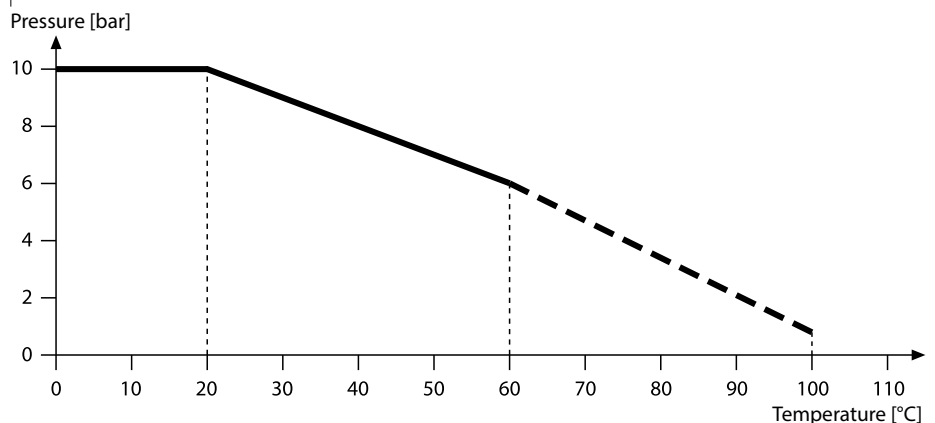
- Digital data transfer
- Cable length up to 100 m
- Compact design
- No process-wetted electrodes
- Large measuring range
- Quick-reacting temperature detector
- Insensitive to buildup and contamination

Specifications

Cell factor*):	Approx. 6.4/cm
Measuring range:	0.02 to 2,000 mS/cm
Accuracy:	≤ 1 %
Material:	PP (polypropylene)
Temperature detector:	Pt 1000
Temperature response time:	Quick, using extrapolation with neuronal process
Temperature:	32 ... 140 °F (0 ... 60 °C)
Pressure:	Max. 145 psi (10 bar) at 35.6°F (20 °C), max. 87 psi (6 bar) at 140°F (60 °C)
Process connections:	Coupling nut, G 1 1/2"; Replacement sensor for installation in ARF 210/215 or ARD 220
Sensor cap:	M12, 5 pins

*) Observe instructions for use (field conditions)

Pressure/Temperature Diagram



Product Range

SE 670 conductivity sensor

Coupling nut G 1 1/2"

Replacement sensor for installation in ARF 210/215 or ARD 220

Order No.

SE 670/U1
SE 670/G1

Accessories

Digital cable with M12 socket

5 m

10 m

20 m^{*)}

Order No.

CA/M12-005NA
CA/M12-010NA
CA/M12-020NA

Conductivity standard

KCl 0.1 mol/l 12.88 mS/cm ± 1.5 % 250 ml

ZU 0348

Calibration Certificate

ZU 0320

MemoSuite

Management software for Memosens sensors

Basic version (calibration)

Advanced version (calibration, diagnostics, documentation)

Order No.

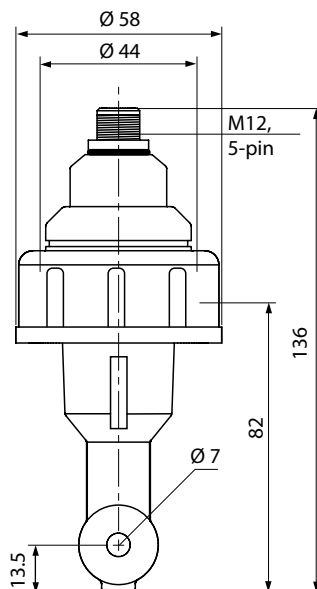
SW-MS1400-B
SW-MS1400-A

^{*)} Greater lengths on request (max. 100 m)

Dimensional Drawings

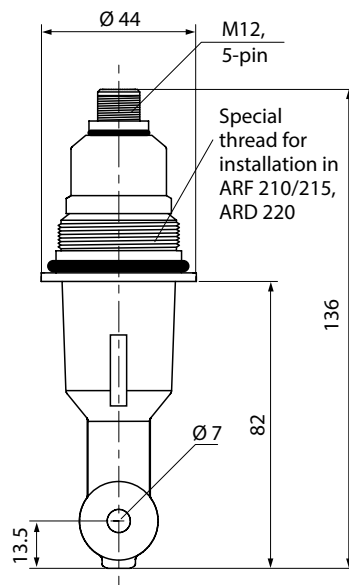
SE 670/U1

Coupling nut G 1 1/2" (PP)



SE 670/G1

Replacement sensor for installation in ARF 210/215 or ARD 220



All dimensions in mm