

Two-electrode conductivity sensor for continuous measurement of ultrapure water at high pressure.

Application examples

- Monitoring of water quality in semiconductor manufacturing plants and all other applications with the highest demands on the accuracy of the resistivity/conductivity measurement.

Measurement

- Measuring range: 0.055 µS/cm to 1000 µS/cm or 0.01 to 18.24 MΩ×cm
- Accuracy at 25 °C:
 - 0 to 20 µS/cm: > ±0.5 % of measured value
 - 20 to 1000 µS/cm: ±1 % of measured value
- Cell constant: 0.01 cm⁻¹
- Temperature sensor: NT5k
- Accuracy: ±0.2 °C

Specifications are valid in combination with SWAN Rescon transmitters.

Materials

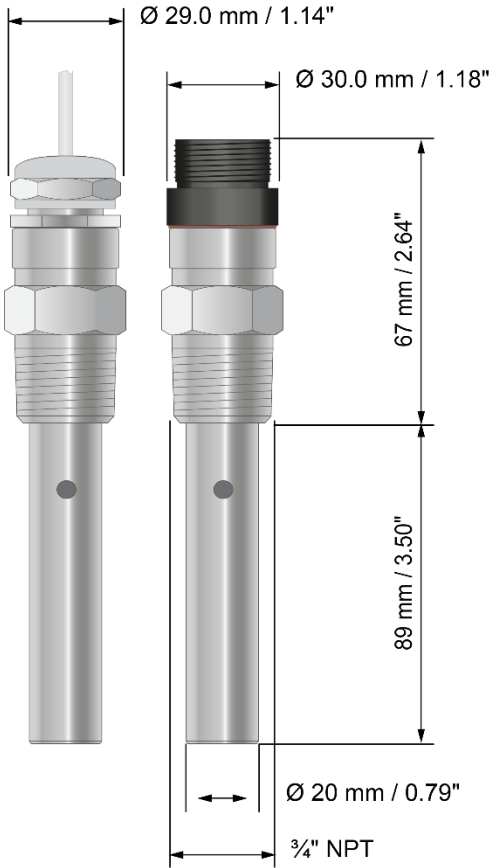
- Body and electrode: 1.4404 (SS316L)
- Isolator: PEEK

Operation and Installation

- Operating temperature: -10 to 70 °C
- Operating pressure: 50 bar
- Process connection: NPT ¾"
- Electrical connection: fixed cable with end sleeves or M16 male plug (IP67)

Accompanying Certificate

- Sensor calibration with precisely determined cell constant (specified to 1 ‰ resolution) and temperature correction off-set for the sensor with cable.
- Calibration traceable to national standards.



Order numbers: Swansensor RC U		A-87.322.2X0
Electrical connection	M16 plug	0
	1 m cable with end sleeves	1
	5 m cable with end sleeves	5
	15 m cable with end sleeves	7
Accessories	For all accessories and details, please visit our website at www.swan.ch .	
	Cable for sensor with M16 plug available in lengths of 1 m, 5 m, 15 m or 25 m	A-88.155.X20
	Quality certification for conductivity sensor Swansensor RC U	A-97.018.300
	Flow cell B-Flow L130	A-83.228.133
	Flow cell QV-HFlow L130	A-83.436.16X

