

Sensor for the measurement of the specific conductivity and specific resistivity in high purity water.

Swansensor RC U

For high purity water applications, e.g. in power plants and semiconductor manufacturing plants.

Sensor with certificate: The cell constant is defined with a precision of 5 digits after the decimal point. The temperature correction factor for the built-in NTC is determined with a thermometer, traceable to national standards (Swiss Calibration Service, 1997 SCS). Both values are written on the sensor and on the certificate.

Sensor with plug (IP67) or fixed cable (Spec 44, PVDF) with a length of 1 m, 5 m or 15 m. Special length on request.

Specifications RC U:

Recommended measuring range:
0,005 – 1000 µS/cm
resp. 0,01 – 200 MΩ-cm

Accuracy (at 25°C):
> ± 0.5% up to 20 µS/cm
± 1% above 20 µS/cm up to 1000 µS/cm

Cell constant: 0.01 cm⁻¹

Material:
shaft: SS 316L, stainless steel
electrode: SS 316L, stainless steel
isolation: PEEK

Temperature sensor:
NT5K, accuracy ± 0.2 °C

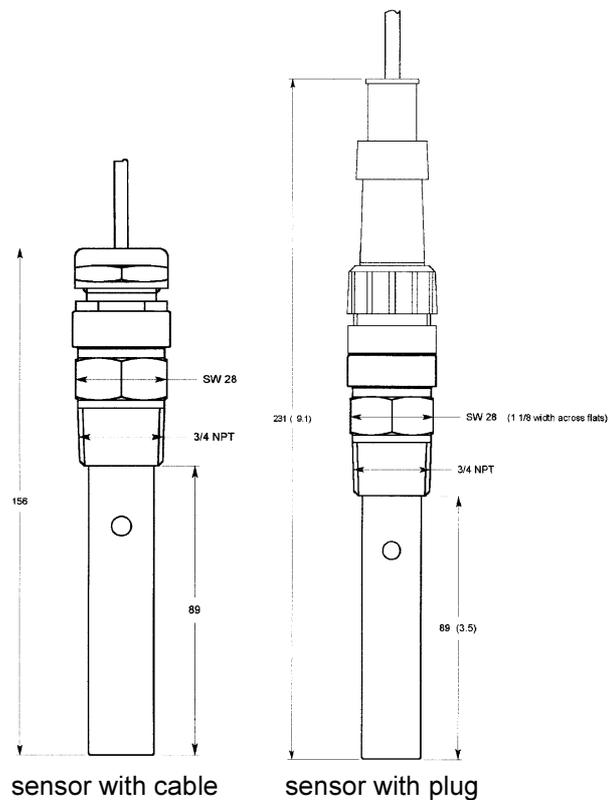
Sensor mounting: 3/4" NPT thread

Operating temperature: -10 +90 °C

Operating pressure:
max. 10 bar at +90 °C

Length totally: 156 mm (cable)
231 mm (plug)

Insertion length: 89 mm



Order scheme	Swansensor RC U	A-87.322.2	0
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Electrical connection:	M16 plug.....	0
	1 m cable (Spec 44, PVDF) with end sleeves	1
	5 m cable (Spec 44, PVDF) with end sleeves	5
	15 m cable (Spec 44, PVDF) with end sleeves.....	7

Accessories:

A-88.155.X20 Cable with M16 connector and end sleeves, available in lengths of 1 m, 5 m, 15 m or 25 m
A-97.018.300 Quality certification for conductivity sensor Swansensor RC-U