

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 5 m respectively 15 m cable (Spec 44, PVDF). Special length on request.

Specifications RC U:

Recommended measuring range:

0,005 – 1000 $\mu\text{S}/\text{cm}$
resp. 0,01 – 200 $\text{M}\Omega\text{-cm}$

Accuracy (at 25°C):

> $\pm 0.5\%$ up to 20 $\mu\text{S}/\text{cm}$
 $\pm 1\%$ above 20 $\mu\text{S}/\text{cm}$ up to 1000 $\mu\text{S}/\text{cm}$

Cell constant: 0.01 cm^{-1}

Material:

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

Temperature sensor:

NT5K, accuracy $\pm 0.2^\circ\text{C}$

Sensor mounting: $\frac{3}{4}$ " NPT thread

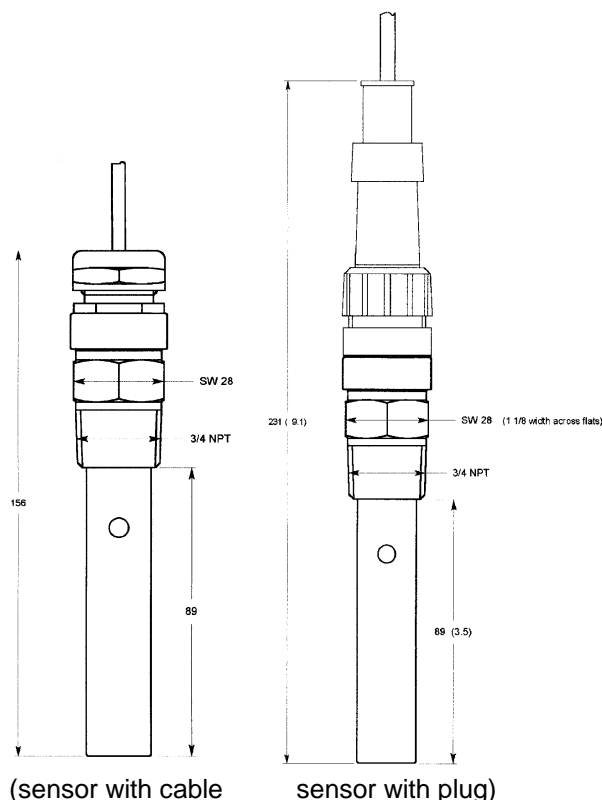
Operating temperature: -10 +90 °C

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
Cable length:	plug (IP67).....		0	
	5 m cable (Spec 44, PVDF), sleeves.....		5	
	15 m cable (Spec 44, PVDF), sleeves.....		7	

Accessories:

A-88.155.520 Sensor cable to RC U, sleeves - female plug, 5 m
A-88.155.720 Sensor cable to RC U, sleeves - female plug, 15 m
V-9710015 Quality certification for conductivity sensor Swansensor RC-U