

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:

Cell constant: 0.01 cm⁻¹

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

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

Temperature sensor: NT5K

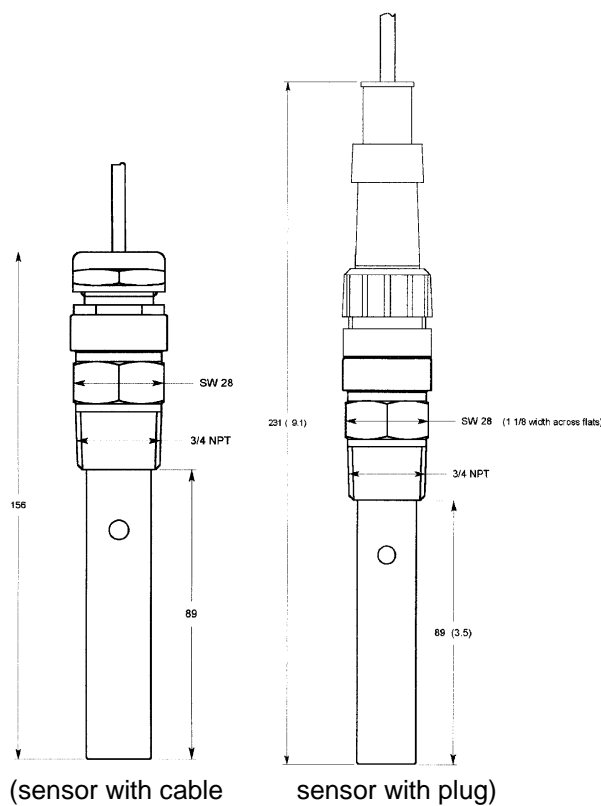
Sensor mounting: ¾" NPT thread

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		
Cable length:	plug (IP67)		0	↑ ↑
	5 m cable (Spec 44, PVDF), sleeves		5	
	15 m cable (Spec 44, PVDF), sleeves _____		7	
Certificate:	without			0
	with certificate (cell constant defined with a precision of 5 digits, temperature correction factor determined with thermometer, traceable to national standards) _____			1

Accessories:

- A-88.165.520 Sensor cable (Spec 44, PVDF) to RC U, sleeves - female plug, 5 m
- A-88.165.720 Sensor cable (Spec 44, PVDF) to RC U, sleeves - female plug, 15 m