

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

### Swansensor RC UT

For high purity water applications in the pharmaceutical industry. With sanitary flange. Polished surface, no dead volume.

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).

### Specifications RC UT:

Recommended measuring range:

0,01 – 100  $\mu\text{S/cm}$   
resp. 0,01 – 100  $\text{M}\Omega\text{-cm}$

Accuracy (at 25°C):

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

Cell constant: 0.01  $\text{cm}^{-1}$

Material:

Shaft: SS 316L, stainless steel

Electrode: SS 316L, stainless steel

Isolation: PEEK

Temperature sensor:

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

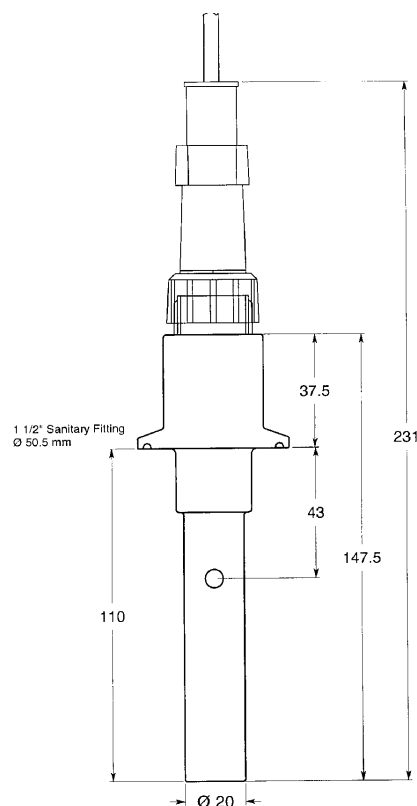
Sensor mounting: sanitary flange 1 1/2"

Operating temperature: -10 .... +90  $^\circ\text{C}$

Operating pressure:  
max. 10 bar at +90  $^\circ\text{C}$

Length totally: 231 mm

Insertion length: 110 mm



Order scheme	Swansensor RC UT	A-87.323.200	
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### Accessories:

- A-88.155.520 Cable to RC UT, sleeves - female plug, 5 m
- A-88.155.720 Cable to RC UT, sleeves - female plug, 15 m
- C-87.329.010 Clamp for sanitary flange (max. 6 bar) incl. welding nipple
- C-87.329.012 Clamp for sanitary flange (max. 20 bar) incl. welding nipple
- C-87.329.011 Sealing made of PTFE for sanitary flange
- C-87.329.013 Sealing made of EPDM for sanitary flange

