

Two-electrode conductivity sensor for the continuous measurement in water/steam cycle applications

Swansensor UP-Con1000

Conductivity sensor with stainless steel body, titanium electrode and built-in temperature probe for automatic temperature compensation.

Specifications

Recommended measuring range:

0.055 to 1000 $\mu\text{S}/\text{cm}$

Accuracy (at 25°C): $\pm 1\%$ or 0.001 $\mu\text{S}/\text{cm}$
whichever is greater

Cell constant: $\sim 0.04 \text{ cm}^{-1}$
Indicated on sensor with 5 decimal places.

Temperature sensor type:

Pt1000, DIN class A

Operating conditions:

- Continuous temperature: 100 °C at 6.5 bar
- Max. temperature: 120 °C at 6.5 bar
- Pressure: max. 30 bar at 25 °C

Materials in contact with sample:

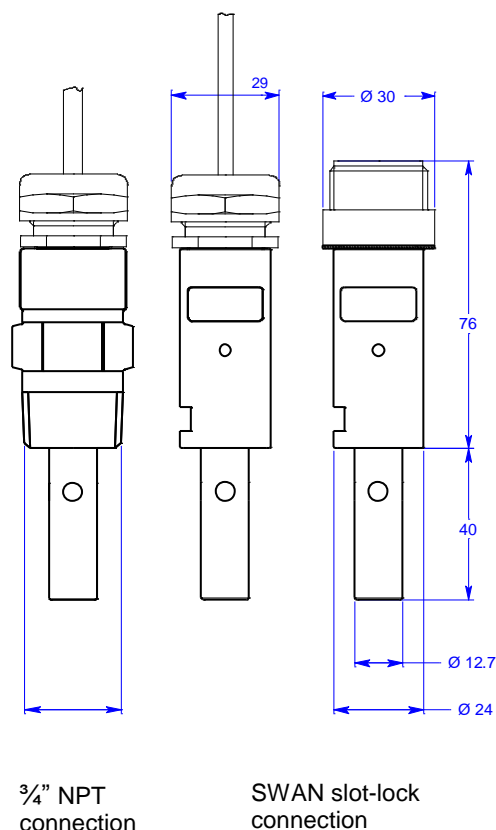
- Shaft: Stainless steel SS 316L
- Electrode: Titanium
- Isolation: PEEK

Process connection & sensor mounting:

- SWAN slot-lock (patent pending) for quick sensor release in suitable flow cells
- or NPT $\frac{3}{4}$ "

Electrical connection:

- Male Plug M1 (protection degree IP67)
- or directly attached cable with end sleeves



Order scheme	Swansensor UP-Con1000	A – 87 . 334 .			
Process connection	NPT $\frac{3}{4}$ "	1			
	SWAN slot-lock	2			
Electrical connection	Plug M1		0	0	
	Cable 0.3 meter		0	3	
	Cable 1 meter		1	0	
	Cable 5 meters		5	0	
	Cable 15 meters		7	0	

Sensor cables for sensors with male plug M1 (A-87.334.100 and A-87.334.200):

- A-88.155.120 Sensor cable, female plug M1 / sleeves, length 1 m
- A-88.155.520 Sensor cable, female plug M1 / sleeves, length 5 m
- A-88.155.720 Sensor cable, female plug M1 / sleeves, length 15 m