

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**

Cell constant: ~ 0.04 cm<sup>-1</sup>  
Indicated on sensor with 5 decimal places.

Typical measuring range: 0.055 to 1000 µS/cm

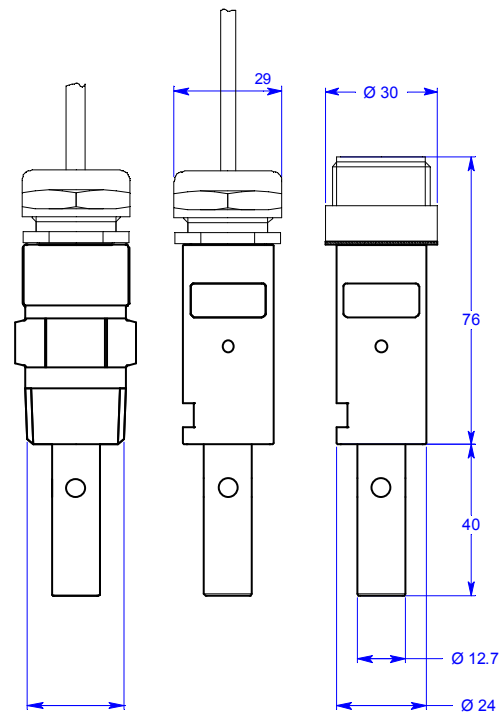
Temperature sensor type: Pt1000

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 3/4"

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



3/4" NPT connection

SWAN slot-lock connection

Order scheme	Swansensor UP-Con1000	A - 87 . 334 .			
<b>Process connection</b> .....	NPT 3/4" .....	1			
	SWAN slot-lock .....	2			
<b>Electrical connection</b> .....	Plug M1 .....	0	0	0	0
	Cable 0.3 meter .....	0	3	0	0
	Cable 1 meter .....	1	0	0	0
	Cable 5 meters .....	5	0	0	0
	Cable 15 meters .....	7	0	0	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