

Two-electrode conductivity sensor with retractable assembly.

Application examples

- Monitoring of water quality in power and industrial plant water cycles.

Measurement

- Recommended measuring range:
0.055 µS/cm to 1000 µS/cm (K=0.05 cm⁻¹)
or 0.05 µS/cm to 30 mS/cm (K=10.0 cm⁻¹)
- Accuracy at 25 °C: ±1 % of measured value
- Cell constant: 0.05 cm⁻¹ for low conductivity
10.0 cm⁻¹ for high conductivity
- Temperature sensor: Pt1000 (Class A, DIN EN 60751)

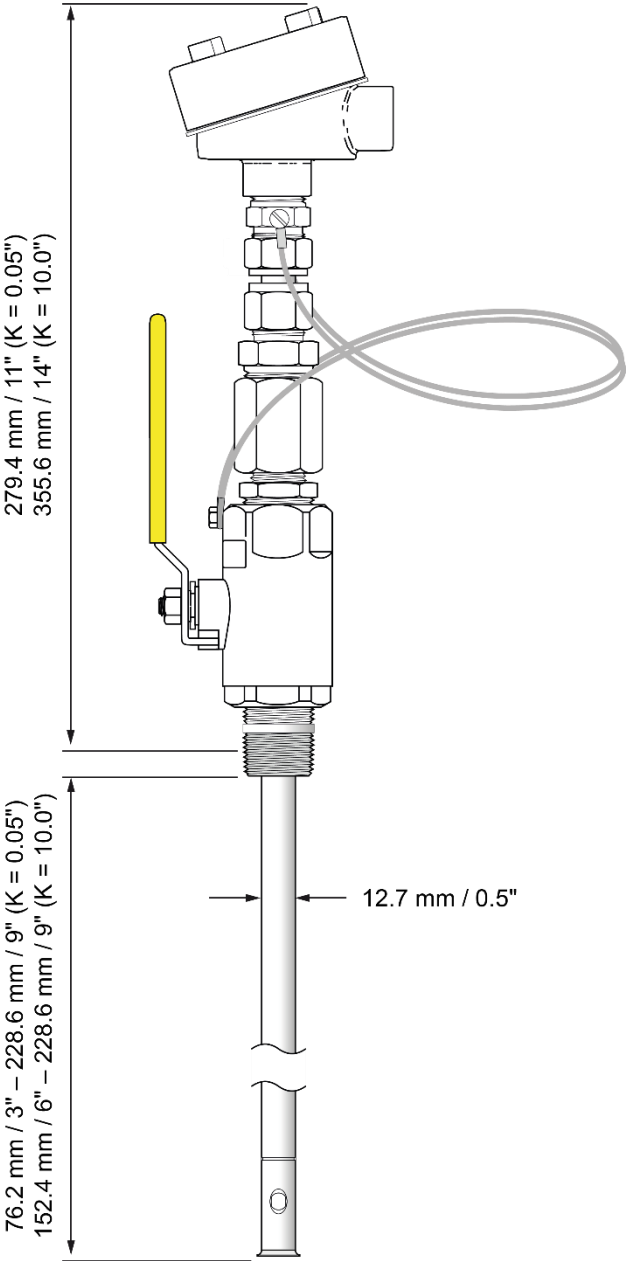
Specifications are valid in combination with SWAN Powercon transmitters.

Materials

- Body and electrode: SS316
- Isolator: PTFE

Operation and Installation

- Operating temperature and pressure:
max. 120 °C at 12 bar
max. 150 °C at 3.4 bar
- Process connection: NPT ¾" for valve
or DN25 flange 1.4407
- Electrical connection: integrated junction box
cable with end sleeves



Order numbers: Swansensor Retracon HP		A-87.382.XXX
Cell constant	0.05 cm ⁻¹ for low conductivity	3
	10.0 cm ⁻¹ for high conductivity	8
Cable length	None, without cable	0
	3 m cable with end sleeves	1
	5 m cable with end sleeves	5
	15 m cable with end sleeves	7
	30 m cable with end sleeves	9
Process connection	¾" NPT thread	0
	DN25 flange, 1.4407	1

