Pharm Food

SE 620 Conductivity Sensor

Pharma-compliant 2-electrode sensor in hygienic design

Conductivity sensor in pharmaceutical design with coaxial electrodes and integrated temperature detector. Low surface roughness of < 0.8 µm. The materials are physiologically harmless and meet FDA requirements. Steam-sterilizable. Reliable and easy checking of the measurement according to USP <645> using PortaSim simulator.

Applications

Pure and ultrapure water, water for injection (WFI), food, ion exchangers, reverse osmosis plants, also chip manufacturing

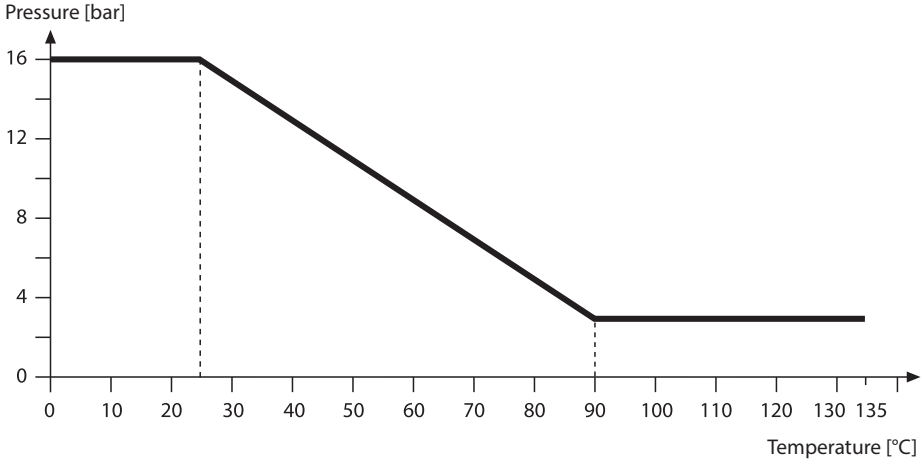
Facts

- Low surface roughness
- Steam-sterilizable
- CIP-capable
- Integrated temperature detector
- Measuring range 0.001 to 50 µS/cm
- Coaxially arranged electrodes
- Independent of installation conditions
- Insulator and sealing materials FDA-listed
- VP screw cap
- PortaSim simulator with VP plug
- Incl. Inspection Certificate 3.1

Specifications

Cell constant:	0.01/cm
Measuring range:	0.001 ... 50 µS/cm
Material:	Cell and electrodes: stainless steel 1.4435, electropolished; Insulator and O-rings (plastics), FDA-listed
Roughness:	< 0.8 µm
Temperature detector:	Pt 1000
Temperature:	0 ... 135 °C (steam-sterilizable)
Pressure:	16 bar at 25 °C, 9 bar at 60 °C
Process connection:	Clamp DN 25
Sensor cap:	VP (VarioPin)

Pressure/Temperature Diagram



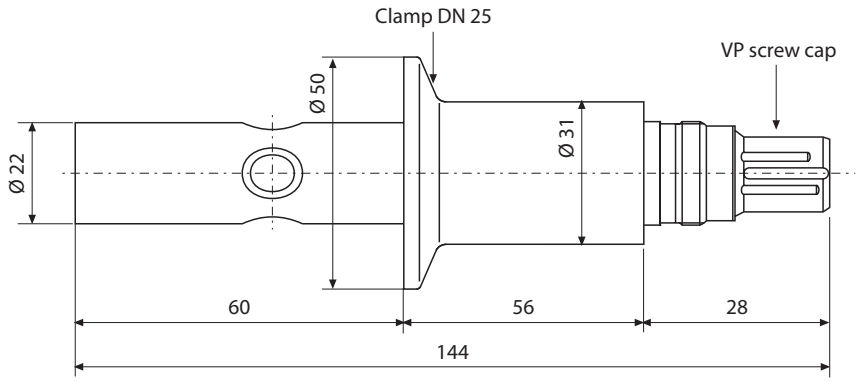
Knick

Product Range				Order No.
SE 620 conductivity sensor	Clamp DN 25			**SE 620**

Accessories				Order No.
VP6-ST cable			3 m	**ZU 0313**
			5 m	**ZU 0314**
			10 m	**ZU 0315**
			15 m	**ZU 0584**
			20 m	**ZU 0589**
Conductivity standard	KCl	300 ml	15 µS/cm ± 1 %	**ZU 0350**
	KCl	500 ml	147 µS/cm ± 1 %	**ZU 0702**
Calibration Certificate				**ZU 0320**
Conductivity simulator (cell constant 0.01/cm (Details from page 98)	PortaSim Cond C*)	1.3 µS/cm	25 °C	**ZU 0308**

*) Conductivity simulator; checking the meter and cable by simulating the sensor.
High-precision comparison resistors, traced to NIST standard. Used for measurement to USP <645>.
Check by simply replacing the sensor by the simulator

Dimension Drawing



All dimensions in mm