

Sensors for Conductivity Measurement

Chem

Water



SE 630 Conductivity Sensor

2-electrode sensor for measuring low to medium conductivity values, flexible application; high chemical, thermal and mechanical resistance

Corrosion-proof materials, graphite electrodes, and PES body. High accuracy and integrated temperature detector for correct temperature compensation and concentration measurement.

Large pressure and temperature range.

Applications

Water, moderately polluted wastewaters, process solutions with medium conductivities; also corrosive media

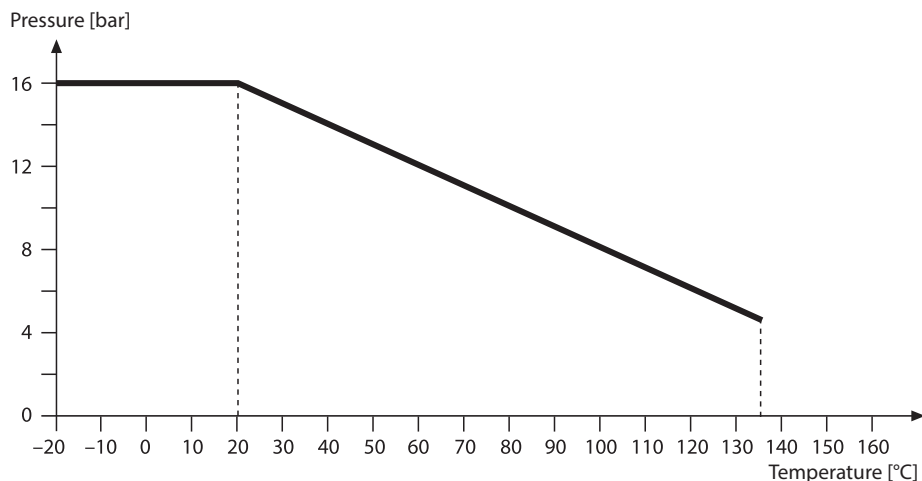
Facts

- High level of process safety due to durable materials
- Integrated temperature detector
- Robust design
- Large pressure and temperature range
- Easy to clean
- High-precision measurement of conductivities up to 50 mS/cm
- High chemical and thermal resistance

Specifications

| | |
|-----------------------|--|
| Cell constant: | 1/cm |
| Measuring range: | 5 μ S/cm ... 50 mS/cm |
| Material: | Body: PES Electrodes: special graphite Pt 100 holder: titanium |
| Temperature detector: | Pt 100 |
| Temperature: | -20 ... +135 °C |
| Pressure: | Max. 16 bar (20 °C), 2.5 bar (135 °C) |
| Process connection: | G 1" |
| Cable: | Length 5 m |

Pressure/Temperature Diagram



Knick **Product Range**

SE 630 conductivity sensor

G 1"

Order No.

SE 630**Accessories**

Conductivity standard

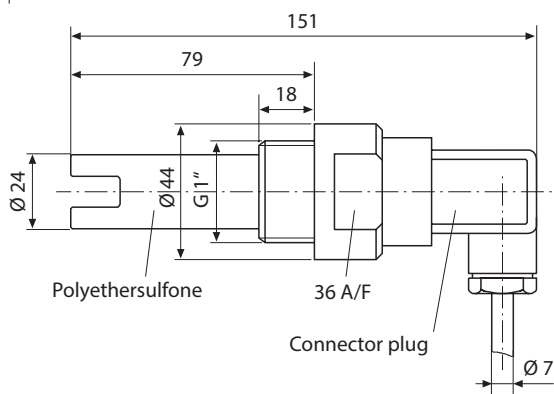
KCl 0.1 mol/l 12.88 mS/cm ± 1.5 % 250 ml

KCl 0.01 mol/l 1413 µS/cm ± 2 % 250 ml

Order No.

ZU 0348**ZU 0349**

Calibration Certificate

ZU 0320**Dimension Drawing****DP-FLOW**