

# 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

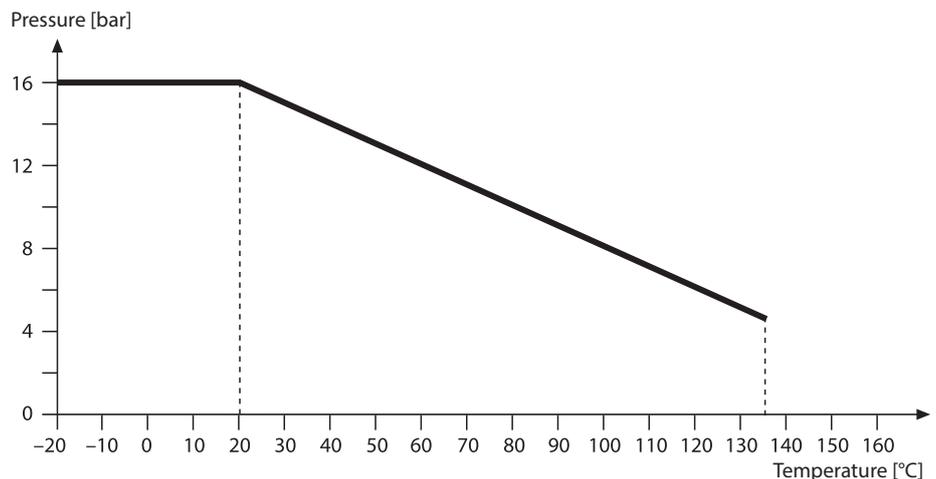
### Facts

- 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 $\mu$ 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



For up-to-date information, please visit [www.knick.de](http://www.knick.de)

Isolation Amplifiers  
Transmitters

Indicators

Process Analytics

Portable Meters

Laboratory Meters

Sensors

Fittings

**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.

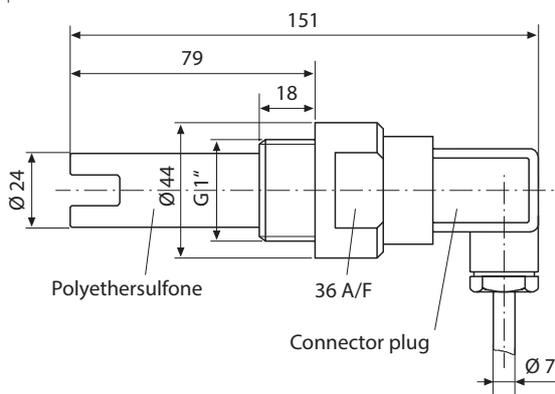
**ZU 0348**

**ZU 0349**

Calibration Certificate

**ZU 0320**

### Dimension Drawing



All dimensions in mm