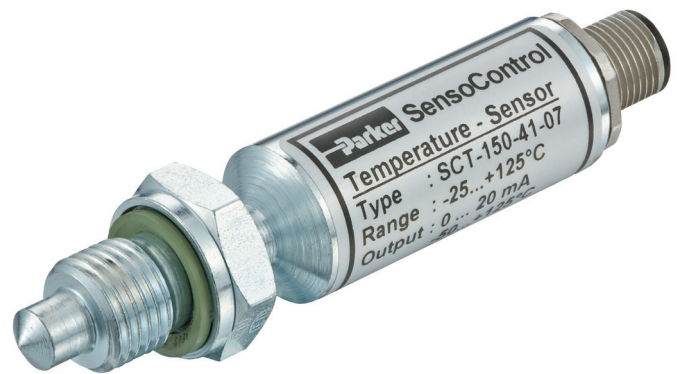


# SCT-150 temperature sensor

## Device features

- Withstands pressures up to 630 bar
- Compact design
- Heavy-duty steel housing
- Simple installation
- -25 °C to +100 °C



The SCT electronic temperature sensor features a compact design and high pressure resistance.

The SCT is used where temperatures have to be measured under high pressure and a compact housing is necessary.

With its pressure resistance up to 630 bar, the SCT temperature sensor is well suited for hydraulic applications.

It can be used for precise and quick temperature measurements.

The SCT series temperature sensors are compatible with the SCE panel meters. So both the hydraulic pressure and the substance temperature can be measured, checked and evaluated.

## Application examples

- Test benches
- Processing equipment
- Conveying and lifting equipment
- Machine construction
- Pneumatic plant construction
- Hydraulic plant construction

# SCT-150 temperature sensor

## Technical data

| Input                                     |                           |
|---|---------------------------|
| Measuring range                           | -25...+100 °C             |
| Accuracy                                  | < ± 7 K                   |
| Response time                             | $\tau_{0.9} = 13.5$       |
| Output                                    |                           |
| Output <sub>T</sub> (scaling for output!) | 0...20 mA = -50...+125 °C |
| Load                                      | ≤ 250 Ω                   |
| Process connection                        |                           |
| G1/4A ED or M10x1                         |                           |
| Seal                                      | FKM                       |
| Housing                                   | Steel C15K/CF             |
| Operating pressure P <sub>n</sub>         | 630 bar                   |
| Parts in contact with substances          | Steel C15K/CF, FKM        |
| Ambient conditions                        |                           |
| Power supply V <sub>+</sub>               | +11...+24 VDC             |
| Current consumption                       | < 30 mA                   |
| Ambient temperature range                 | -20...+70 °C              |
| Fluid temperature range                   | -25...+125 °C             |
| Storage temperature                       | -25...+80 °C              |
| Electrical connection                     | M12x1                     |
| Protection degree                         | IP67                      |

## Pin assignment

|   | Cable | Assignment     |
|---|-------|----------------|
| 1 | 1     | V <sub>+</sub> |
| 2 | 2     | T-signal       |
| 3 | 3     | 0 V / GND      |
| 4 | 4     | n.c.*          |

\*n.c. = do not connect

## Order code

Temperature sensor G1/4

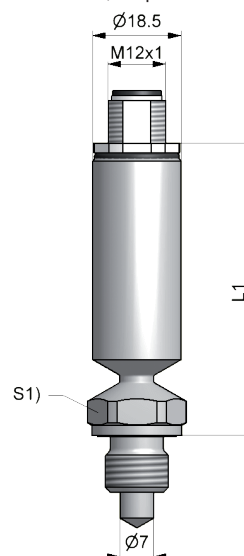
**SCT-150-41-07**

Temperature sensor M10x1

**SCT-150-14-07**

### SCT-150-xx-07

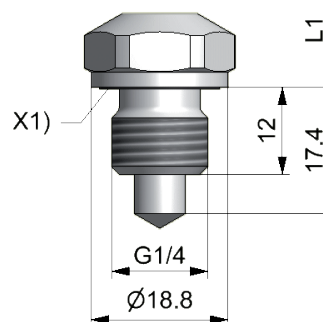
Circular connector M12x1; 4-pole



S1) = 19

### SCT-150-41-07

G1/4A ED

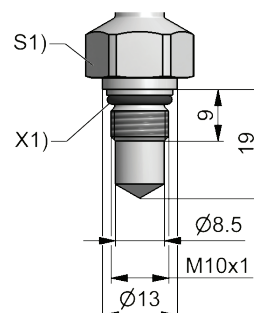


L1) = 61

X1) = ED seal

### SCT-150-14-07

M10x1



X1) = O-ring