

SCT-150 temperature sensors

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.

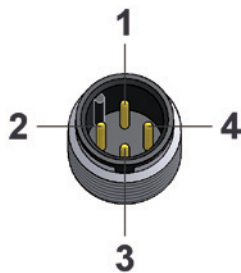
The SCT series temperature sensors are compatible with the SCE panel meters. So both the hydraulic pressure and the substance temperature can be measured, checked and evaluated.

SCT-150 temperature sensors

Technical data

Input	
Measuring range	-25 to +100 °C
Accuracy	$< \pm 7 \text{ K}$
Response time	$\tau_{0,9} = 13.5$
Output	
Output _T	0 to 20 mA = -50 to +125 °C
Load	$\leq 250 \Omega$
Process connection	
Process connection	G1/4A ED
Seal	FKM
Housing	Steel C15K/CF
Operating pressure P _n	630 bar
Parts in contact with sub- stances	Steel C15K/CF, FKM
Ambient conditions	
Power supply V ₊	+11 to +24 VDC
Current consumption	$< 30 \text{ mA}$
Ambient temperature range	-20 to +70 °C
Fluid temperature range	-25 to +125 °C
Storage temperature	-25 to +80 °C
Electrical connection	M12x1
Protection degree	IP67

Pin assignment

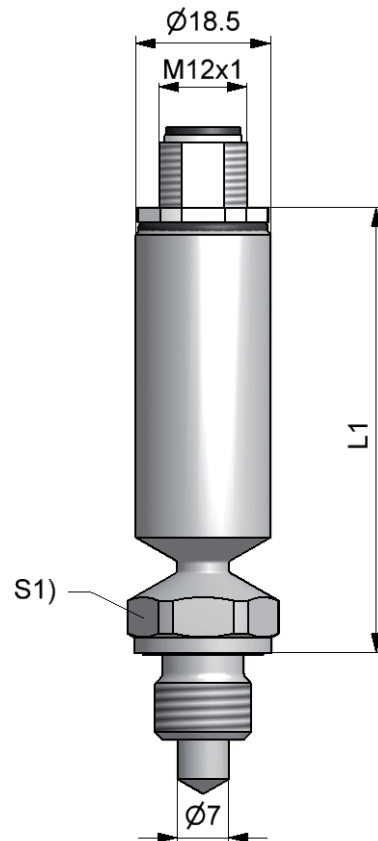


Cable	Assignment
1	V ₊
2	T signal
3	0 V / GND
4	n.c.

Dimensioned drawings

SCT-150-41-07

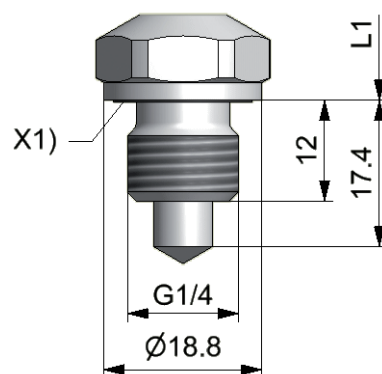
Circular connector M12x1; 4-pole



S1) = 19

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G1/4A ED



L1) = 61

X1) = ED seal

Order code

Temperature sensor

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