

TC 151/280

- 40 to 280 °C , VACUUM TEMPERATURE PROBE

S12.01en

DESCRIPTION AND APPLICATION

These thermocouple temperature sensors **TC 151/280** are designed for the measurement of temperature of soft or loose materials and solid substances, consistency of which is such so the metal tip cannot be damaged. They can also be used for measuring liquid and gaseous substances. The temperature range for the use of the sensor is -40 to 280 °C (300°C for a short time). The sensors consist of a metal tip (stainless steel DIN 1.4301), where the thermocouple measuring point is located, a grip made of high-temperature resistance plastic and thermocouple leads. Material composition of the sensors conforms to the requirements of Decree 38/2001 Coll., as amended. The design allows easy cleaning, thanks to which the temperature sensors can be used in the food industry.

The sensors are intended for operation in chemically non-aggressive environment

DECLARATION, CERTIFICATES, CALIBRATION

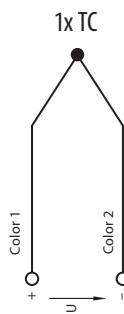
Manufacturer provides **EU Declaration of Conformity**.

Calibration – The final metrological inspection – comparison with standards or working instruments – is carried out for all the products. Continuity of the standards and working measuring instruments is ensured within the meaning of the Section 5 of Act no.505/1990 on metrology. The manufacturer offers a possibility to supply the sensors calibrated in SENSIT s.r.o.'s laboratory (according to requirements of the EN ISO/IEC 17025 standard, as amended) or in an Accredited laboratory.

SPECIFICATIONS

Probe type	TC 151/280
Measuring range	-40 to 280 °C (for a short time 300 °C)
Type of sensing element	TC K
Nr. of measuring points	1 measuring point, insulated from the case
Ingress protection	IP 68 (1 bar) in accordance with EN 60529, as amended
Material of the probe tip	stainless steel DIN 1.4301
Diameter of the probe tip	1.5 mm
Length of the probe tip	80 mm - standard, 50 to 100 mm - modification
End of the probe tip	sharp – standard; flat, round - modification
Material of the handle	PEEK
Temperature resistance of the handle	up to 280 °C
Lead-in cable	teflon shielded

WIRING DIAGRAM



DIMENSIONAL DRAFT

