

S 42/150

0 to 150 °C, AMBIENT TEMPERATURE PROBE



DESCRIPTION AND APPLICATION

These resistance temperature probes **S 42/150** are designed for contact measurement of gaseous substances. The temperature range for the use of the probe is 0 to 150°C. The sensor consists of a metal open case (stainless steel DIN 1.4301), a handle and a lead-in cable. Material composition of the probe 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 resistance sensing element is located in the open case and it's providing the direct contact with gaseous substance to be measured and the quick response to change in temperature. The sensors are intended for operation in chemically non-aggressive environment.

DECLARATION, CERTIFICATES, CALIBRATION

Manufacturer provides **EU Declaration of Conformity**.

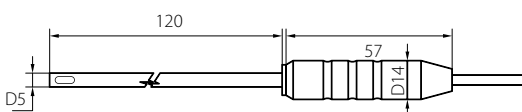
Calibration – The final metrological inspection – comparison with standards or working instruments – is carried out for all the products. Continuity of the standards and working measuring instruments is ensured within the meaning of the Section 5 of Act no.505/1990 on metrology. The manufacturer offers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

SPECIFICATIONS

Probe type	S 42/150
Measuring range	0 to 150 °C
Type of sensing element	all types (Pt 100, Pt 1000, Ni 1000, Ni 10000, Ni 2226=T1, NTC, PTC, KTY, TSiC, DALLAS, TC K, TC J, TC T and so on)
Ingress protection	IP 20 in accordance with EN 60529, as amended
Material of the case	stainless steel DIN 1.4301
Length of the case	120 mm
Diameter of the case	5 mm
Material of the handle	teflon
Temperature resistance of the handle	up to 250 °C
Lead-in cable	silicone shielded

Note: Certain technical specifications of thermocouple sensors (lead wires, IP rating, etc.) may differ with different types.

DIMENSIONAL DRAFT



WIRING DIAGRAM

