S 034/150
-30 TO 150 °C, CONTACT TEMPERATURE PROBE

CE

DESCRIPTION AND APPLICATION

These resistance temperature probes **S 034/1500** are designed for contact measurement of solid substances with flat and smooth surface. The temperature range for the use of the probe is -30 °C to 150 °C. The probes consist of a metal case terminated by a special cup to contact the measured surface, a handle, and a lead-in cable. The resistance sensing element is located in a brass (duralumin) cup, which is firmly placed in a special rubber case reducing the influence of the surrounding environment on the measurement. The temperature probes are intended for operation in chemically non-aggressive environment.

DECLARATION, CERTIFICATION, CALIBRATION

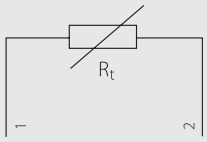
Manufacturer provides **EU Declaration of Conformity**.
Calibration – The final metrological inspection – comparison with standards or working instruments – is carried out for all the products. Continuity of the standards and working measuring instruments is ensured within the meaning of the Section 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

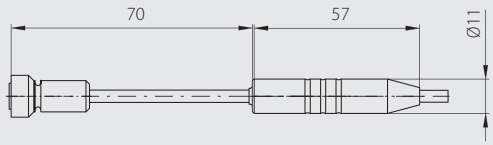
Probe type	S 034/150
Measuring range	-30 to 150 °C
Type of sensing element	all types
Ingress protection	IP 43 in accordance with EN 60529
Material of the case	stainless steel DIN 1.4301
Material of the contact cup	brass
Length of the case	70 mm
Material of the handle	teflon ø 11 mm
Temperature resistance of the handle	-30 to 150 °C
Lead-in cable	silicone shielded 2 x 0.22 mm²

WIRING DIAGRAM

Two-wire



DIMENSIONAL DRAFT



SENSOR INSTALLATION AND SERVICING

Connect the temperature probe to a measuring device according to the wiring diagram. The input of the measuring device must be compatible with the sensor chosen by a customer. Various types of connectors may be used for connection (e.g. CINCH, CONEC, etc.).
Shielding of the lead-in cable is not electrically connected to the outer sensor case or to the temperature sensing element.
After connecting to the electrical measuring equipment, the temperature probe is ready for use. The sensor does not require any special servicing or maintenance. The work position is adjustable.

The sensors cannot be used for contact measurement of temperature of electrically live objects or equipment.