

# S 34/150

## -30 to 150 °C, CONTACT TEMPERATURE PROBE



### DESCRIPTION AND APPLICATION

These resistance temperature probes S 34/150 are designed for contact measurement of solid substances with flat and smooth surface. The temperature range for the use of the probe is -30 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, 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.

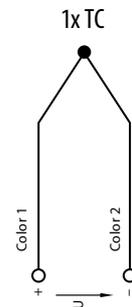
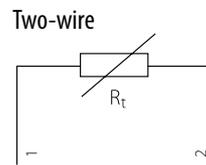


### SPECIFICATIONS

|                                      |  |
|--------------------------------------|--|
| Probe type                           | S 34/150   |
| Measuring range                      | -30 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, TCK, TC J, TC T and so on) |
| Ingress protection                   | IP 43 in accordance with EN 60529, as amended  |
| 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  |

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

### WIRING DIAGRAM



### DIMENSIONAL DRAFT

