

S 34/150

-30 to 150 °C, CONTACT TEMPERATURE PROBE

S06.04en

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**.

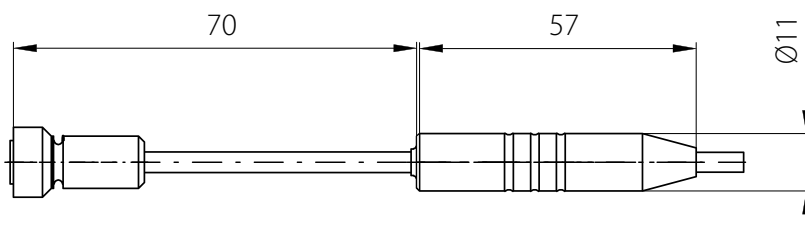
Calibration – The final metrological inspection – comparison with standards or working instruments – is carried out for all the products. Continuity of the standards and working measuring instruments is ensured within the meaning of the Section 5 of Act no.505/1990 on metrology. The manufacturer offers a possibility to supply the sensors calibrated in 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.

DIMENSIONAL DRAFT



WIRING DIAGRAM

