

Surface temperature probe

Magnetic surface probe for dirty areas

Magnetic force approx. 6 N

Covered sensor behind protective plate
- no possibility of splinters entering interior of housing
- easy to clean

Measurement contact area approx. 10 mm diameter

Short response time (t_{90} approx. 5 s)

Measuring range -50 to +220 °C, short-term up to +250 °C

Calibratable



°C

The calibratable magnetic probe is especially suitable for temperature measurements on magnetic surfaces. The main applications are measurements in process monitoring in which a high level of contamination is to be expected, e.g. caused by metal splinters, dust or production refuse. The magnetic measurement surface with a diameter of 10 mm can be easily cleaned using compressed air.

The magnetic surface probe is compatible with temperature measuring instruments such as the testo 480, testo 735, testo 922, data loggers in the testo 175/176 series and the testo Saveris measurement data monitoring system.

The probe is available in many different customized versions.

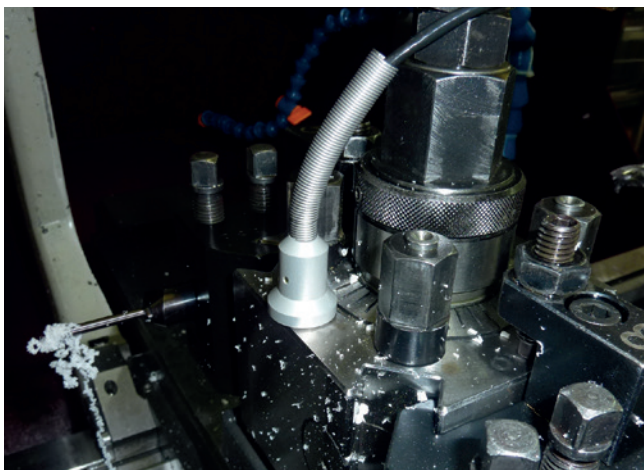
Surface temperature probe



Magnetic surface probe as 0602 4892 but without cross-band.

The thermocouple is covered behind a nickel chrome plate. The plate-shaped component is sealed in together with the magnet. This shape creates a measurement surface without an air gap, with a diameter of approx. 10 mm.

Order no. 0600 9999 / ID no. 0699 6964/1



Recording temperature which is included in the expansion compensation.

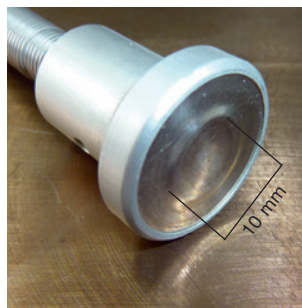
Sensor type	type K thermocouple
Measuring range	-50 to +220 °C, briefly up to +260 °C
Accuracy	Tolerance Class 2 acc. to EN 60584-2
Response time	t ₉₀ approx. 5 s. on metal surface
Operating temperature	Measuring surface short-term up to +260°C Measurement head including cable -50 to +205 °C Mini TC plug +80 °C
Diameter	21 mm
Protection class	IP54
Connection cable	Length 2m (other lengths possible) Ø round approx. 4 mm Cable insulation FEP shielded, black Welded mini TC plug

Notes

The probe is available in the following variants:

- sensor thermocouple Type T
- altered cable length
- with oval PTFE cable, ideal for rubber door seals
- without bend-proofing spring
- connection on the side with cable or telescope (order no. 0699 4109)
- screwed mini TC plug
- free wire ends

It is recommended that measuring instruments are used with a mini TC socket for thermocouple Type K, such as testo 480, testo 735, testo 925, Testo data loggers, testo Saveris.



Measurement area Ø 10 mm



Flat surface with side connection (cable or telescope).