

# Surface temperature probe

Magnetic surface probe for  
dirty areas

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Magnetic force approx. 7.5 N

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Covered sensor behind brass plate

- no possibility of splinters entering interior of housing
- easy to clean

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Measurement contact surface approx. 180 mm<sup>2</sup>

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Low height of 7 mm

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Measuring range 0 to +80 °C

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Calibratable

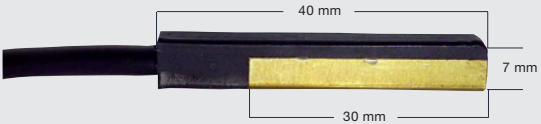
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The compact, calibratable probe is suitable for temperature measurements on magnetic surfaces. The main area of application is the monitoring of processes on surfaces. The low height of 7 mm allows measurements between several layers. The temperature is recorded by the measurement contact surface of approx. 180 mm<sup>2</sup>. The magnetic area can be easily cleaned using compressed air.

The probe is compatible with temperature measuring instruments such as the testo 720, testo 735, data loggers in the testo 175/176 series or the testo Saveris measurement data monitoring system. The probe is also available with other cable lengths:

### Surface temperature probe



Pt100 Class B magnetic surface probe in 4-wire technology with PVC-insulated cable 2 m length incl. cable relief and welded min-DIN plug. Brass measurement surface approx. 6 x 30 mm curved left and right around the magnets.

Order no. 0600 9999 / ID no. 0699 6594/2

It is recommended that measuring instruments are used which can evaluate, and which have a min-DIN socket, such as testo720, testo 735, testo loggers, testo Saveris.



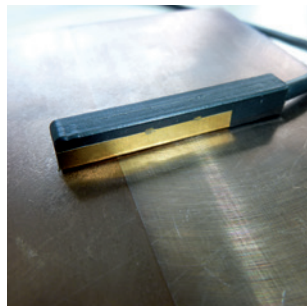
Recording temperature which is included in the expansion compensation.

Sensor type	Pt100 in 4-wire connection
Measuring range	0 to +80 °C
Accuracy	Tolerance class B acc. to EN 60751
Response time	t <sub>90</sub> approx. 90 s. on shiny metal surfaces
Magnetic force	7.5 N when pulled vertically from the magnetic surface
Operating temperature	Protective sleeve and cable -0 to +80 °C)
Measurement area/material	6 x 30 mm, brass
Dimensions	Length x width x height 40 x 6 x 7 mm
Connection cable	Length 2 m (other lengths are available), round cable, PVC cable insulation black, moulded mini DIN plug
Variants	0699 6594/1: with sensor TC Type K, tolerance class 2 0699 6594/3: with sensor NTC

**Notes**

The probe is available in the following variants:

- with sensor Type K, Type T, NTC
- altered cable length
- with oval cable, ideal for rubber door seals
- with ribbon cable approx. 3.6 x 1.2 mm (FEP insulation)



Measurement on workpieces



Measurement on a radiator

dk/I/01.2016 Subject to change, including technical changes, without notice.



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