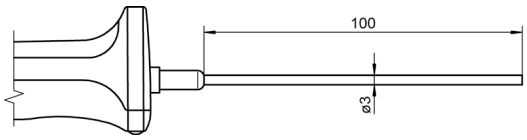
Pt100 sensor with handle FPA 106 LxxxxH

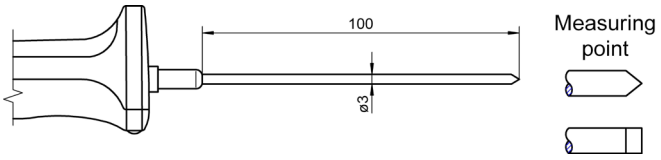


Accuracy:	Pt100 film resistor, class B*
Measuring tip:	Operative range -40...+400 °C Sheath element, stainless steel
T_{90}*:	8 s
Handle*:	127 mm
Cable:	1.5 m FEP/silicone

L = 100 mm **Order no. FPA106L0100H**

For immersion measurement

Pt100 sensor with handle FPA 123 LxxxxH

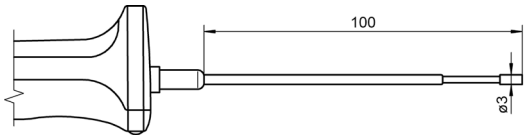


Accuracy:	Pt100 film resistor, class B*
Measuring tip:	Operative range -40...+400 °C Penetrating tip
T_{90}*:	8 s
Handle*:	127 mm
Cable:	1.5 m FEP/silicone

L = 100 mm **Order no. FPA123L0100H**

For immersion measurement in plastic and pasty substances

Pt100 sensor with handle FPA 124 LxxxxH



Accuracy:	Pt100 film resistor, class B*
Measuring tip:	Operative range -40...+300 °C Silver rivet, level
T_{90}*:	10 s
Handle*:	127 mm
Cable:	1.5 m FEP/silicone

L = 100 mm **Order no. FPA124L0100H**

For surface measurement and immersion measurement

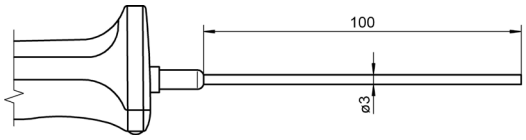
* Range of validity see beginning of chapter

DAkkS accredited calibration or factory calibration KT90xx temperature for sensor or measuring chain (sensor + device), see chapter „Calibration certificates“. DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.

11/2025 • We reserve the right to make technical changes.

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NTC sensor with handle FNA 106 LxxxxH

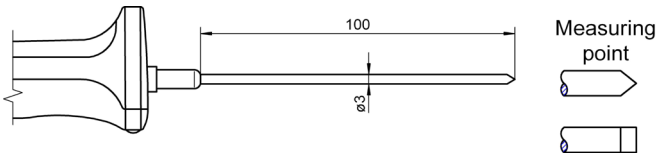


For immersion measurement

Accuracy:	NTC, see beginning of chapter
Measuring tip:	Operative range -20...+100 °C Sheath element, stainless steel
T_{90}*:	8 s
Handle*:	127 mm
Cable:	1.5 m PVC

L = 100 mm **Order no. FNA106L0100H**

NTC sensor with handle FNA 123 LxxxxH

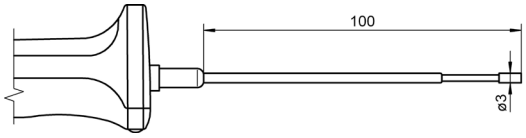


For immersion measurement in plastic and pasty substances

Accuracy:	NTC, see beginning of chapter
Measuring tip:	Operative range -20...+100 °C Penetrating tip
T_{90}*:	8 s
Handle*:	127 mm
Cable:	1.5 m PVC

L = 100 mm **Order no. FNA123L0100H**

NTC sensor with handle FNA 124 LxxxxH



For surface measurement and immersion measurement

Accuracy:	NTC, see beginning of chapter
Measuring tip:	Operative range -20...+100 °C Silver rivet, level
T_{90}*:	10 s
Handle*:	127 mm
Cable:	1.5 m PVC

L = 100 mm **Order no. FNA124L0100H**

NTC sensor FNA 305



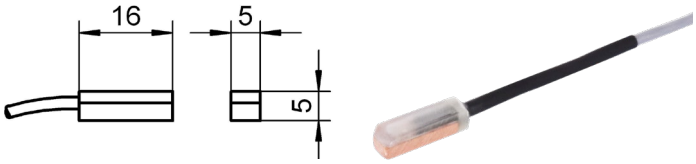
For room air measurement

Accuracy:	NTC, see beginning of chapter
Measuring tip:	Operative range -10...+60 °C (non-condensing), Protective tube in stainless steel diameter = 3.0 mm, length = 50 mm mounted directly on ALMEMO® connector
T_{90}:	8 s

L = 50 mm **Order no. FNA305**
(No variants available)

DAkkS accredited calibration or factory calibration KT90xx temperature for sensor or measuring chain (sensor + device), see chapter „Calibration certificates“. DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.

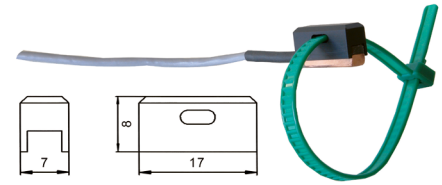
Pt100 sensor FPA 611 x



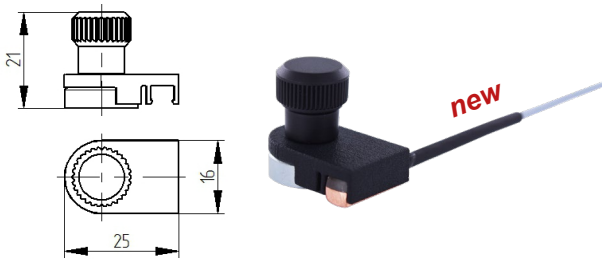
For surface measurement

Accuracy: Pt100 film resistor, class B*
Measuring tip: Operative range see below
Copper, level
Improved thermal transfer thanks to innovative sensor element and new contact technology
T_{90}*: 20 s
Cable: see below

Surface sensor
-10...+90 °C, Cable PVC, 2 m **Order no. FPA611**
-10...+110 °C, Cable, PFA, 3 m for more demanding mechanical stress ALMEMO® connector, resolution 0.01 K
Order no. FPA611S01

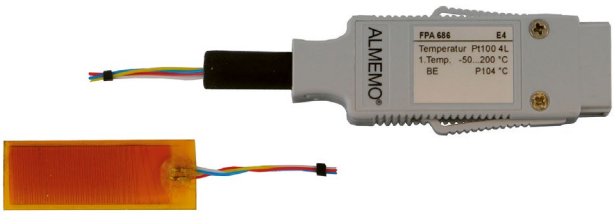


Accessories:
Fixture for fastening with cable ties **Order no. ZB9611RM**



Fixture with magnet and knurled knob **Order no. ZB9611MH**

Pt100 film sensor FPA 686

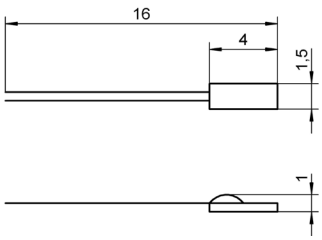


For surface measurement

Accuracy: Pt100 wire-wound, class B*
Measuring surface: Operative range -50...+200 °C, temperature-resistant foil, 15 x 40 mm, approx. 0.5 mm thick
T_{90}*: 2 s
Cable: Stranded wire PFA, 4-wire twisted

Length 2 m **Order no. FPA686**
Length 10 m **Order no. FPA686L10**

Pt100 ceramic chip sensor element FP 0802



Unprotected sensor element for constructing your own sensors

Accuracy: Pt100 film resistor, class B*
Measuring tip: Operative range -40...+400 °C
Ceramic chip sensor
Connection wires: 10 mm, bare

Ceramic chip sensor **Order no. FP0802**

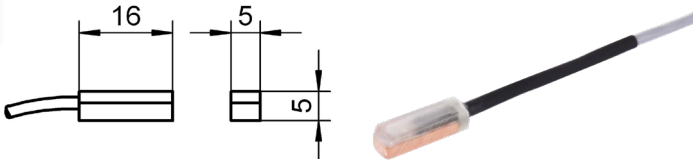
* Range of validity see beginning of chapter

DAkkS accredited calibration or factory calibration KT90xx temperature for sensor or measuring chain (sensor + device), see chapter „Calibration certificates“. DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.

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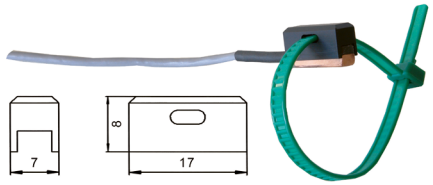
NTC sensor FNA 611



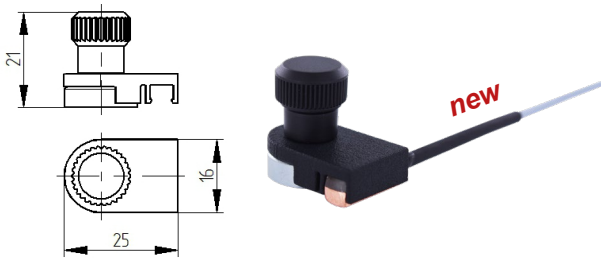
For surface measurement

Accuracy: NTC, see beginning of chapter
Measuring tip: Operative range -10...+90 °C
Copper, level
T_{90}*: 20 s
Cable: 2 m PVC

Surface sensor **Order no. FNA611**



Accessories
Fixture for fastening with cable ties **Order no. ZB9611RM**



Fixture with magnet and knurled knob **Order no. ZB9611MH**

NTC sensor FN 0001 K



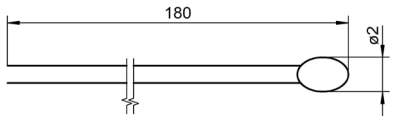
Unprotected sensor element with cable



Accuracy: NTC, see beginning of chapter
Measuring tip: Sensor element, unprotected
Operative range: -20...+100 °C
Connection wires: appr. 180 mm, fluoropolymer insulation
Connecting cable: 2 meters, PVC, thin stranded pick-up wire, Operative range -10 to +90 °C
Cable juncture, in shrink-fit

NTC sensor with cable, free ends **Order no. FN0001K**
Option:
ALMEMO® connector including assembly
Single connectors for 1 sensor **Order no. OT9040AS**
Double connector for 2 sensors **Order no. OT9040AS2**

NTC sensor element FN 0001



Unprotected sensor element for constructing your own sensors

Accuracy: NTC, see beginning of chapter
Measuring tip: Operative range -20...+100 °C
Sensor
Connection wires: 180 mm, fluoropolymer insulation

Sensor **Order no. FN0001**

DAkkS accredited calibration or factory calibration KT90xx temperature for sensor or measuring chain (sensor + device), see chapter „Calibration certificates“. DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.

new

Digital Precision NTC Sensor with ALMEMO® D6 Connector for Biomedical Applications



- Intermittent or continuous temperature monitoring
- Small dimensions, fast response time
- Can also be used in catheters, etc., thanks to its compact design

Technical data for Precision NTC Sensor:

Accuracy:	±0.05 °C at 37 °C
Operating range:	0…50 °C
Response time:	15 s (air at 25 °C) 2 s (water from 25 °C to 5 °C)
Sensor material:	Plastic sheath
Dimensions:	Ø 2.0 mm / Length 9.5 mm
Connection cable:	approx. 90 cm Polyvinylidene fluoride, PVDF

Technical data for ALMEMO® D6 Connector:

Sensor type:	NTC (programmed with sensor-specific Steinhart-Hart coefficients)
Measurement input:	galvanically connected to the power supply (ground of the ALMEMO® device)
Resolution:	0.01 °C
Refresh rate:	0.3 s for up to two channels
Linearization:	Calculation method (not an approximation)
Accuracy:	±0.05 K
Nominal temperature:	23 °C ±2 K
Temperature drift:	0.004 %/K (40 ppm)
Power consumption:	approx. 4 mA

Variants

	Order no.
Digital Precision NTC Sensor with ALMEMO® D6 Connector for Biomedical Applications	**FNAD103**

DAkkS accredited calibration or factory calibration KT90xx temperature for sensor or measuring chain (sensor + device), see chapter „Calibration certificates“. DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.

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