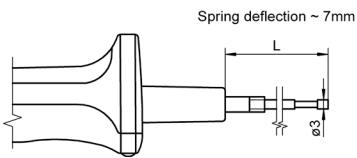


## NiCr-Ni sensor with handle FTA 120x

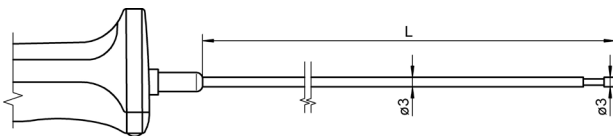


Accuracy: NiCr-Ni class 1\*  
 Measuring tip: Operative range -200...+400 °C  
 Silver rivet, level, spring-loaded,  
 not electrically isolated  
 $T_{90}$ : \* 3 s  
 Handle: \* 138 mm  
 Cable: 1.5 m PVC

For surface measurement and immersion measurement

L = 30 mm **Order no. FTA1201**  
 L = 150 mm **Order no. FTA1202**

## NiCr-Ni sensor with handle FTA 122 LxxxxH

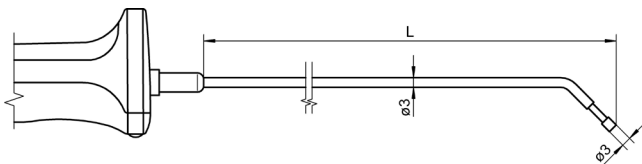


Accuracy: NiCr-Ni class 1\*  
 Measuring tip: Operative range -200...+400 °C  
 Silver rivet, level, not electr. isolated  
 $T_{90}$ : \* 3 s  
 Handle: \* 127 mm  
 Cable: 1.5 m FEP/silicone thermal line\*\*

For surface measurement and immersion measurement

L = 50 mm **Order no. FTA122L0050H**  
 L = 100 mm **Order no. FTA122L0100H**  
 L = 200 mm **Order no. FTA122L0200H**

## NiCr-Ni sensor with handle FTA 121 LxxxxH

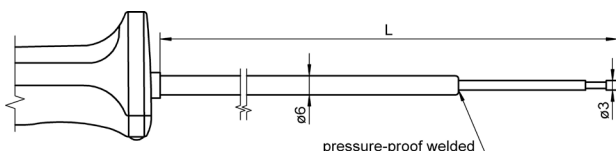


Accuracy: NiCr-Ni class 1\*  
 Measuring tip: Operative range -200...+400 °C  
 Silver rivet, level, angled,  
 not electrically isolated  
 $T_{90}$ : \* 3 s  
 Handle: \* 127 mm  
 Cable: 1.5 m FEP/silicone thermal line\*\*

For surface measurement and immersion measurement

L = approx. 50 mm **Order no. FTA121L0050H**  
 L = approx. 200 mm **Order no. FTA121L0200H**

## NiCr-Ni sensor with handle FTA 150 LxxxxH



Accuracy: NiCr-Ni class 1\*  
 Measuring tip: Operative range -200...+800 °C  
 Stainless-steel rivet, level,  
 electrically isolated  
 $T_{90}$ : \* 3 s  
 Handle: \* 127 mm  
 Cable: 1.5 m FEP/silicone thermal line\*\*

For surface measurement and immersion measurement

L = 350 mm **Order no. FTA150L0350H**  
 L = 700 mm **Order no. FTA150L0700H**  
 L = 1250 mm **Order no. FTA150L1250H**

\* Range of validity see page 07.03

\*\* There is no adverse temperature effect at the juncture from measuring element to cable. see page 07.03

# Temperature

## NiCr-Ni sensor FTA 109 P



For surface measurement

Accuracy: NiCr-Ni class 2\*  
Measuring tip: Operative range -50...+500 °C  
Thermal ribbon, not electr. isolated  
Measuring head approx. 15 mm diameter  
 $T_{90}$ : \* 1 s  
Cable: 1.5 m FEP/silicone thermal line\*\*

L = approx. 180 mm  
Sensor with handle  
(No variants available)

**Order no. FTA109P**  
**Order no. FTA109PH**

## NiCr-Ni sensor FTA 104 P



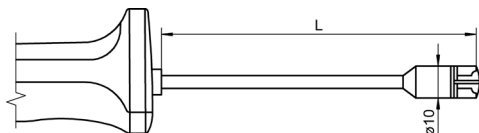
For surface measurement

Accuracy: NiCr-Ni class 2\*  
Measuring tip: Operative range -50...+500 °C  
Thermal ribbon, not electr. isolated  
Measuring head approx. 15 mm diameter  
 $T_{90}$ : \* 1 s  
Cable: 1.5 m FEP/silicone thermal line\*\*

L = approx. 180 mm,  
with 90° angle, approx. 50 mm  
Sensor with handle  
(No variants available)

**Order no. FTA104P**  
**Order no. FTA104PH**

## NiCr-Ni sensor with handle FTA 153 LxxxxH

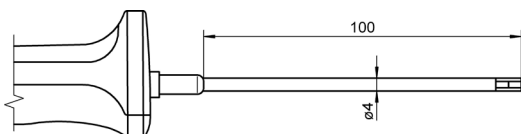


For surface measurement

Accuracy: NiCr-Ni class 2\*  
Measuring tip: Operative range -200...+250 °C  
Thermal ribbon, crossed,  
not electrically isolated  
 $T_{90}$ : \* 1.5 s  
Handle: \* 127 mm  
Cable: 1.5 m PVC

L = 100 mm **Order no. FTA153L0100H**

## NiCr-Ni sensor with handle FTA 1535 LxxxxH



For surface measurement

Accuracy: NiCr-Ni class 2\*  
Measuring tip: Operative range -200...+250 °C  
Thermal ribbon, not electr. isolated  
 $T_{90}$ : \* 2 s  
Handle: \* 127 mm  
Cable: 1.5 m PVC

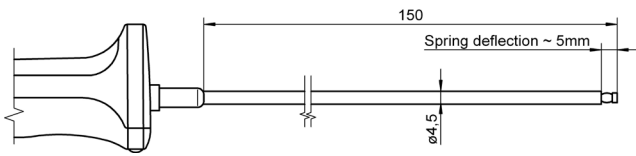
L = 100 mm **Order no. FTA1535L0100H**

\* Range of validity see page 07.03

\*\* There is no adverse temperature effect at the juncture from measuring element to cable. see page 07.03

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

## NiCr-Ni sensor with handle FTA 420 LxxxxH

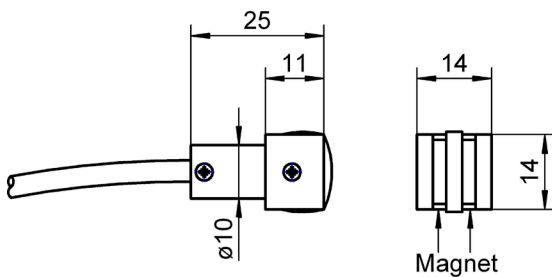


For surface measurement on level surfaces

Accuracy: NiCr-Ni class 1\*  
 Measuring tip: Operative range -50...+500 °C  
 Silver disc, spring-loaded,  
 not electrically isolated  
 $T_{90}$ : \* 2 s  
 Handle: \* 127 mm  
 Cable: 1.5 m PVC

L = 150 mm      **Order no. FTA420L0150H**

## NiCr-Ni sensor FTA 025 P



Magnet sensor for surface measurement

Accuracy: NiCr-Ni class 2\*  
 Measuring tip: Operative range -50...+300 °C  
 Thermal ribbon, not electr. isolated  
 Fastened by magnet  
 $T_{90}$ : \* 1.5 s  
 Cable: approx. 2 m PVC

Magnet sensor  
 (No variants available)      **Order no. FTA025P**



Magnet sensor with Velcro fastener e.g. for pipework

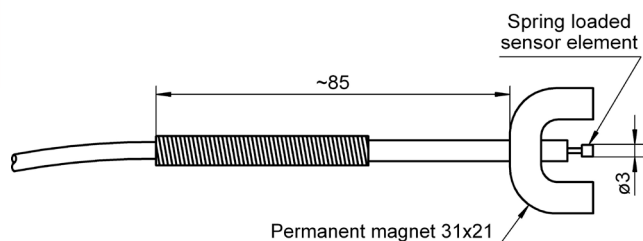
Klettband: approx. 400 mm,  
 for pipe diameter appr. 10 to 75 mm  
 Operating range: -10 ... +110 °C  
 mounted on sensor tip

Magnet sensor, including Velcro fastener  
**Order no. FTA025PKB**

\* Range of validity see page 07.03

# Temperature

## NiCr-Ni sensor FTA 131

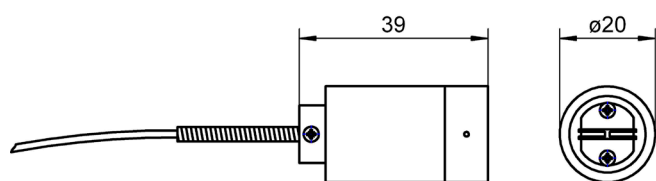


Magnet sensor For surface measurement

Accuracy: NiCr-Ni class 2\*  
Measuring tip: Operative range -50...+100 °C  
Silver rivet, level, spring-loaded,  
not electrically isolated  
Fastened by magnet  
 $T_{90}$ : \* 3 s  
Cable: 3 m FEP/silicone

Magnet sensor **Order no. FTA131**

## NiCr-Ni sensor FTA 026 P

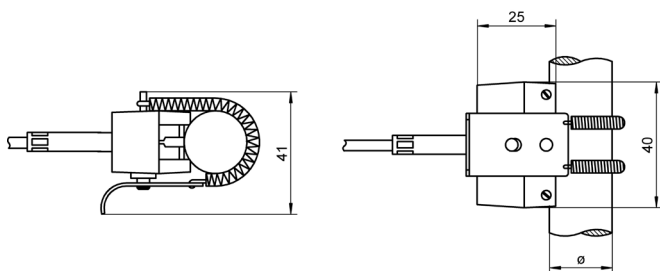


For surface measurement

Accuracy: NiCr-Ni class 1\*  
Measuring tip: Operative range -50...+300 °C  
Thermal ribbon,  
not electrically isolated  
 $T_{90}$ : \* 1.5 s  
Cable: approx. 0.9 m line, fabric insulation

Ribbon sensor **Order no. FTA026P**  
(No variants available)

## NiCr-Ni sensor FTA 8068



For surface measurement on pipes

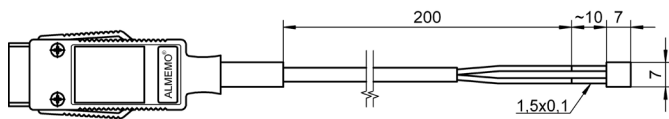
Accuracy: NiCr-Ni class 2\*  
Measuring tip: Operative range -50...+120 °C  
Thermal ribbon, not electr. isolated  
Fastened by pipe clamp  
(spring-loaded)  
 $T_{90}$ : \* 3 s  
Pipe diameter: 12...25 mm  
Cable: 1.2 m PVC

Pipe clamp sensor **Order no. FTA8068**

\* Range of validity see page 07.03

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

## NiCr-Ni film thermocouple FTA 683



For surface measurement

Accuracy: NiCr-Ni class 2\*  
 Measuring tip: Operative range -100 to +200°C  
 Folie, Insulation Kresol  
 $T_{90}$ : \* 2 s

with permanently connected FEP / silicone thermal line (stranded wire)\*\*

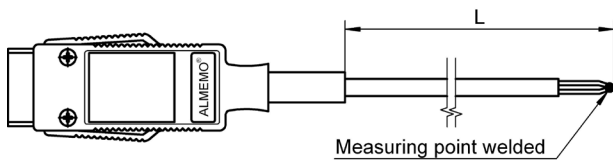
-50 to +200°C, 2 meters, with ALMEMO® connector

**Order no. FTA683**

Measuring element without cable, free ends

(for your own sensors) **Order no. FT0683**

## NiCr-Ni sensor FTA 390 x



For surface measurement

Accuracy: NiCr-Ni class 2\*  
 Measuring tip: Thermowire, welded,  
 not electrically isolated  
 $T_{90}$ : \* 3 s  
 Wire: 1.5 m

Insulation, glass fiber,  
 Operative range -25...+400 °C

**Order no. FTA3900**

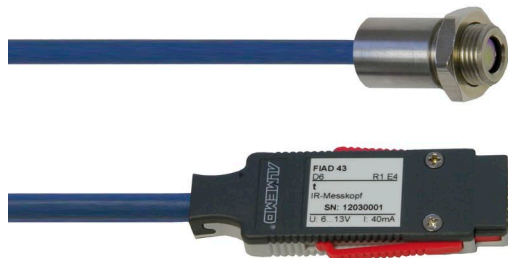
Insulation FEP,  
 Operative range -200...+205 °C

**Order no. FTA39010**

\* Range of validity see page 07.03

\*\* There is no adverse temperature effect at the juncture from measuring element to cable. see page 07.03

## Digital infra-red sensor for measuring surface temperature FIAD43



Operative range: -40...600 °C,  
 Miniature probe head, with cable and ALMEMO® D6 plug  
 and 1 mounting nut

Cable length = 1 m

**Order no. FIAD4332**

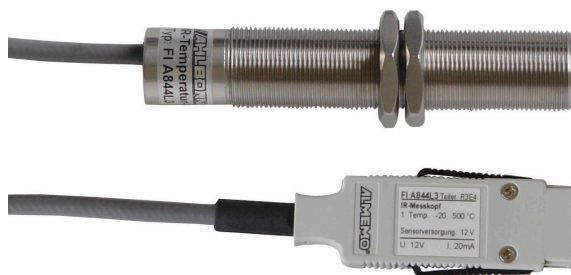
Cable length = 3 m

**Order no. FIAD4332L3**

For technical data, see page 07.34

DAkKS or factory calibration KI9xxx temperature for digital sensor (see chapter Calibration certificates)

## Compact infra-red probe head FIA844



Operative range: -20...500 °C,  
 Probe head, with cable and ALMEMO® plug  
 and 2 mounting nuts

Cable length = 1 m

**Order no. FIA844**

Cable length = 3 m

**Order no. FIA844L3**

For technical data, see page 07.36

Factory calibration KI9xxx temperature for sensor (see chapter Calibration certificates)

DAkKS or factory calibration KT90xx temperature for sensor or measuring chain (sensor + device) (see chapter Calibration certificates)

DAkKS calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.