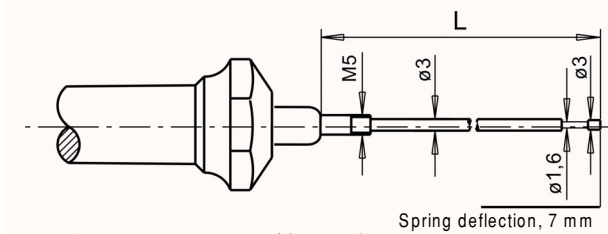


## NiCr-Ni sensor with handle FTA 120 x



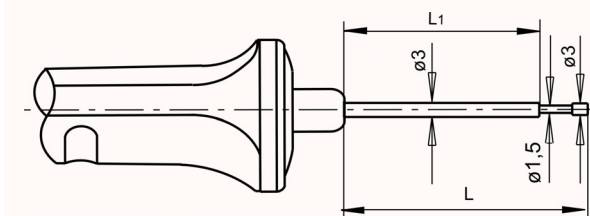
For surface measurement and immersion measurement

Meas. element: NiCr-Ni class 1 \*  
 Measuring tip: Operative range -200...+400 °C  
 Silver rivet, level, spring-loaded,  
 not electrically isolated  
 T<sub>90</sub>·\*: 3 s  
 Handle \*: 138 mm  
 Cable: 1.5 m PVC

L = 30 mm  
 L = 150 mm

**Order no. FTA1201**  
**Order no. FTA1202**

## NiCr-Ni sensor with handle FTA 122 LxxxxH



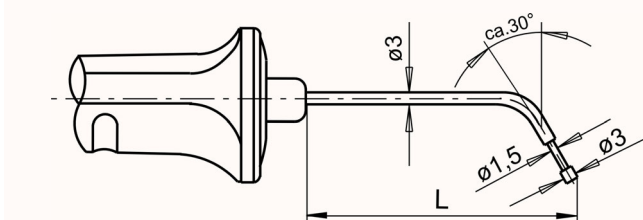
For surface measurement and immersion measurement

Meas. element: NiCr-Ni class 1 \*  
 Measuring tip: Operative range -200...+400 °C  
 Silver rivet, level, not electr. isolated  
 T<sub>90</sub>·\*: 3 s  
 Handle \*: 127 mm  
 Cable: **New** 1.5 m FEP / silicone thermal line\*\*

L = 50 mm  
 L = 100 mm  
 L = 200 mm

**Order no. FTA122L0050H**  
**Order no. FTA122L0100H**  
**Order no. FTA122L0200H**

## NiCr-Ni sensor with handle FTA 121 LxxxxH

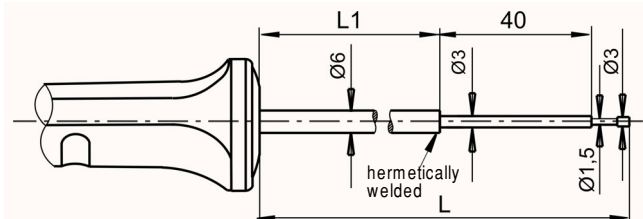


For surface measurement and immersion measurement

Meas. element: NiCr-Ni class 1 \*  
 Measuring tip: Operative range -200...+400 °C  
 Silver rivet, level, angled,  
 not electrically isolated  
 T<sub>90</sub>·\*: 3 s  
 Handle \*: 127 mm  
 Cable: **New** 1.5 m FEP / silicone thermal line\*\*

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

## NiCr-Ni sensor with handle FTA 150 LxxxxH



For surface measurement and immersion measurement

Meas. element: NiCr-Ni class 1 \*  
 Measuring tip: Operative range -200...+800 °C  
 (for brief periods 1000 °C)  
 Stainless-steel rivet, level,  
 electrically isolated  
 T<sub>90</sub>·\*: 3 s  
 Handle \*: 127 mm  
 Cable: **New** 1.5 m FEP / silicone thermal line\*\*

L = 350 mm  
 L = 700 mm  
 L = 1250 mm

**Order no. FTA150L0350H**  
**Order no. FTA150L0700H**  
**Order no. FTA150L1250H**

\* For general technical data, see page 08.03.

\*\* There is no adverse temperature effect at the juncture from measuring element to cable. see page 08.03

# TEMPERATURE

## NiCr-Ni sensor FTA 109 P



For surface measurement

Meas. element: NiCr-Ni class 2 \*  
Measuring tip: Operative range -50...+500 °C  
Thermal ribbon, not electr. isolated  
Measuring head approx. 15 mm diameter  
T<sub>90</sub>: \* 1 s  
Cable: appr. 1.5 m PVC

L = appr. 180 mm  
Sensor with handle  
(No variants available)  
**Order no FTA109P**  
**Order no FTA109PH**

## NiCr-Ni sensor FTA 104 P

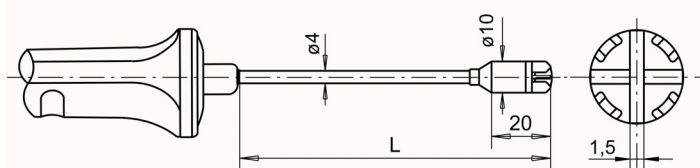


For surface measurement

Meas. element: NiCr-Ni class 2 \*  
Measuring tip: Operative range -50...+500 °C  
Thermal ribbon, not electr. isolated  
Measuring head approx. 15 mm diameter  
T<sub>90</sub>: \* 1 s  
Cable: appr. 1.5 m PVC

L = total 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

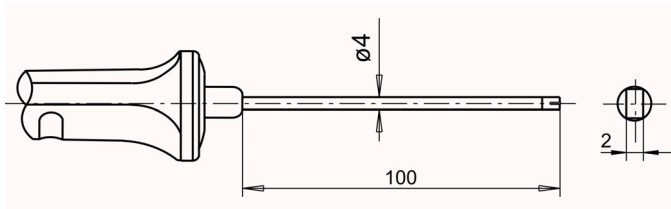


For surface measurement

Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Operative range -200...+250 °C  
 Thermal ribbon, crossed,  
 not electrically isolated  
 T<sub>90</sub>: \* 1.5 s  
 Handle: \* 127 mm  
 Cable: 1.5 m PVC

L = 100 mm **Order no FTA153L0100H**  
 L = 200 mm **Order no FTA153L0200H**  
 L = appr. 180 mm angled 45°, 160/50mm  
**Order no FTA1533L0180H**

## NiCr-Ni sensor with handle FTA 1535 LxxxxH

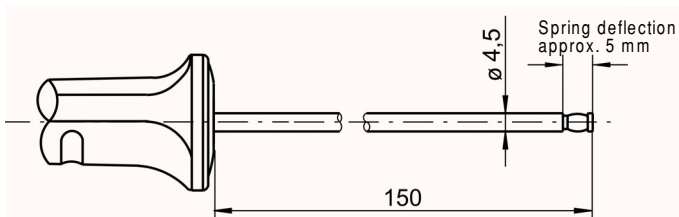


For surface measurement

Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Operative range -200...+250 °C  
 Thermal ribbon, not electr. isolated  
 T<sub>90</sub>: \* 2 s  
 Handle: \* 127 mm  
 Cable: 1.5 m PVC

L = 100 mm **Order no FTA1535L0100H**

## NiCr-Ni sensor with handle FTA 420 LxxxxH



For surface measurement on level, metallic surfaces

Meas. element: NiCr-Ni class 1 \*  
 Measuring tip: Operative range -50...+500 °C  
 Silver disc, spring-loaded,  
 not electrically isolated  
 T<sub>90</sub>: \* 2 s  
 Handle: \* 127 mm  
 Cable: 1.5 m PVC

L = 150 mm **Order no FTA420L0150H**

## NiCr-Ni sensor with handle FTA 102P

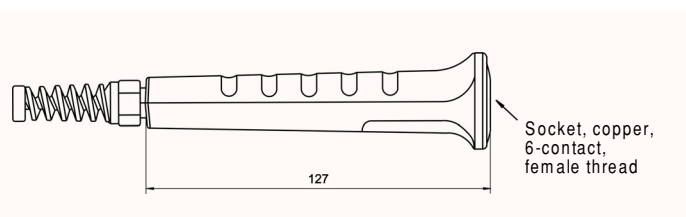


For surface measurement

**new!**  
 Meas. element: NiCr-Ni class 2\*  
 Measuring tip: Operative range -50 to +400 °C  
 Meas. tip flat, approx. 7 x 40 mm  
 Thermal ribbon, not electr. isolated  
 T<sub>90</sub> \* 2 s  
 Plastic ring: After approx. 65 mm (sensor tip up  
 to ring), fixture for protective cap  
 used for transport purposes  
 Handle: Small plastic handle  
 Cable(s): Retractable cable PVC, approx. 1 m  
 L = approx. 130 mm  
 (No variants available) **Order no. FTA102P**

# TEMPERATURE

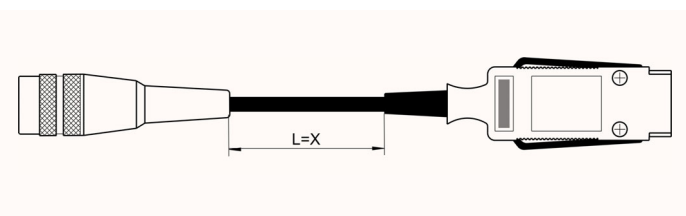
## Handle HTA 301 G for NiCr-Ni measuring tips



Built-in socket For circular connectors with screw connection  
Handle: \* 127 mm  
Cable: 1.5 m PVC

**Order no HTA301G**

## Connecting cable ZA 9020 BK for NiCr-Ni measuring tips

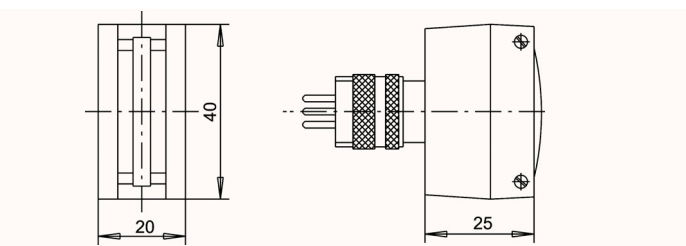


For surface measurement

Coupling For circular connectors with screw connection  
Cable Length L, PVC

L = 0.2 m **Order no ZA9020BK0**  
L = 1 m **Order no ZA9020BK1**  
L = 2 m **Order no ZA9020BK2**  
L = 4 m **Order no ZA9020BK4**

## NiCr-Ni measuring tip FT 9306 xG



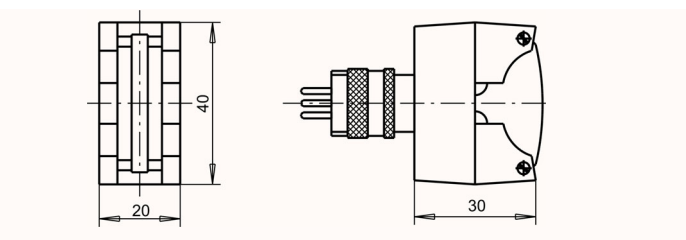
For surface measurement on level surfaces

Meas. element: NiCr-Ni class 2 \*  
Measuring tip: Thermal ribbon, not electrically isolated  
T<sub>90</sub>: \* 3 s  
Connector Circular connector with screw connection

Operative range -50...+220 °C **Order no FT9306TG**

Spare measuring strip **Order no ZT9306TB**  
Please always specify sensor type !

## NiCr-Ni measuring tip FT 9307 xG



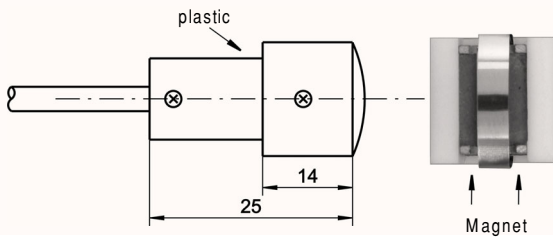
For surface measurement on convex / concave surfaces

Meas. element: NiCr-Ni class 2 \*  
Measuring tip: Thermal ribbon, not electrically isolated  
T<sub>90</sub>: \* 3 s  
Connector Circular connector with screw connection

Operative range -50...+220 °C **Order no FT9307TG**

Spare measuring strip **Order no ZT9307TB**  
Please always specify sensor type !

## NiCr-Ni sensor FTA 025 P



Magnet sensor for surface measurement

Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Operative range -50...+300 °C  
 Thermal ribbon, not electr. isolated  
 Fastened by magnet  
 T<sub>90</sub>: \* 1.5 s  
 Cable: appr. 2 m PVC

Magnet sensor  
 (No variants available)

**Order no FTA025P**



Magnet sensor with Velcro fastener e.g. for pipework

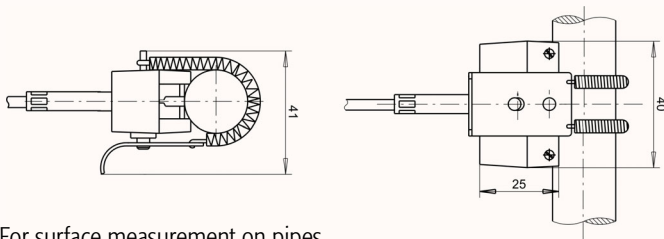
Velcro strip approx. 400 mm  
 for pipe diameter appr. 10 to 75 mm  
 Operating range: -10 ... +110 °C  
 mounted on sensor tip

Magnet sensor, including Velcro fastener

**Order no FTA025PKB**

**new!**

## NiCr-Ni sensor FTA 8068

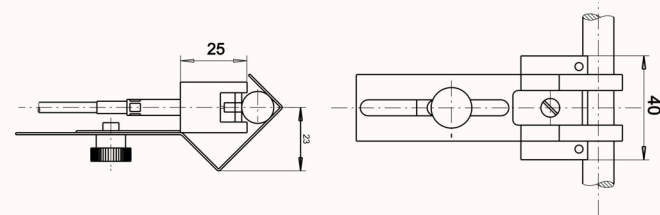


For surface measurement on pipes

Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Operative range -50...+120 °C  
 Thermal ribbon, not electr. isolated  
 Fastened by pipe clamp  
 (spring-loaded)  
 T<sub>90</sub>: \* 3 s  
 Pipe diameter 12...25 mm  
 Cable: 1.2 m PVC

Pipe clamp sensor **Order no FTA8068**

## NiCr-Ni sensor FTA 8069



For surface measurement on pipes

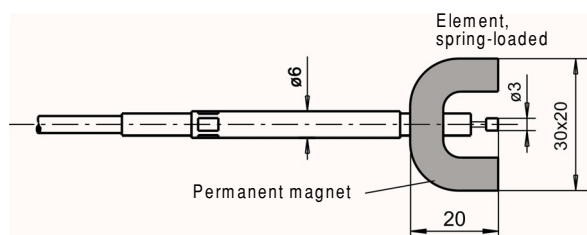
Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Operative range -50...+120 °C  
 Thermal ribbon, not electr. isolated  
 Fastened by pipe clamp  
 T<sub>90</sub>: \* 3 s  
 Pipe diameter 12...30 mm  
 Cable: 1.2 m PVC

Pipe clamp sensor **Order no FTA8069**

\* For general technical data, see page 08.05

# TEMPERATURE

## NiCr-Ni sensor FTA 131

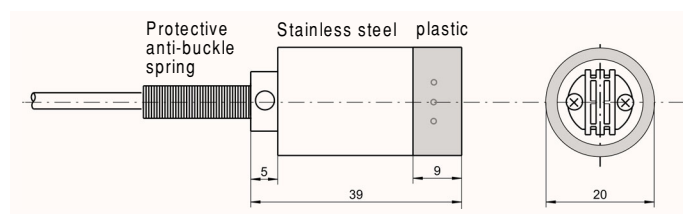


For surface measurement

Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Operative range -50...+100 °C  
 Silver rivet, level, spring-loaded,  
 not electrically isolated  
 Fastened by magnet  
 T<sub>90</sub>: \* 3 s  
 Cable: 3 m FEP / silicone

Magnet sensor **Order no FTA131**

## NiCr-Ni sensor FTA 026 P

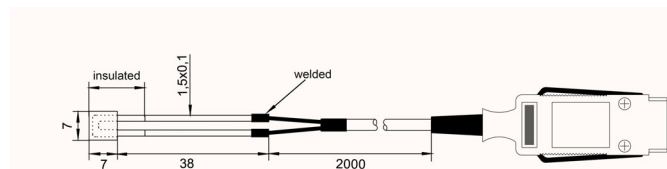


For surface measurement

Meas. element: NiCr-Ni class 1 \*  
 Measuring tip: Operative range -50...+300 °C  
 Thermal ribbon,  
 not electrically isolated  
 T<sub>90</sub>: \* 1.5 s  
 Cable: appr. 0.9 m line, fabric insulation

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

## NiCr-Ni film thermocouple FTA 683



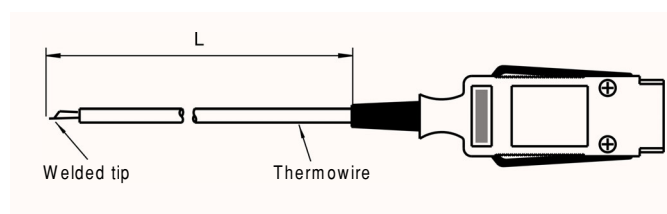
For surface measurement

Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Operative range -100...+200 °C  
 Film, cresol insulation  
 T<sub>90</sub>: \* 2 s

**New** 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 390x



For surface measurement and immersion measurement

Meas. element: NiCr-Ni class 2 \*  
 Measuring tip: Thermowire, welded,  
 not electrically isolated  
 T<sub>90</sub>: \* 3 s  
 Draht: 1.5 m

Insulation, glass fiber,  
 Operative range -25...+400 °C **Order no FTA3900**  
 Insulation, FEP,  
 Operative range -200...+205 °C **Order no FTA39010**