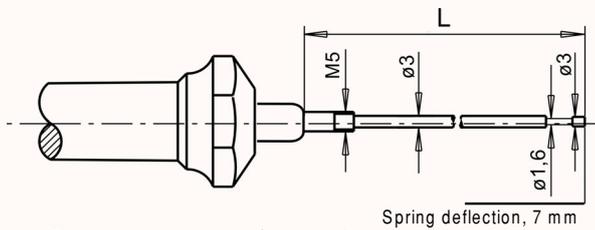


NiCr-Ni sensor with handle FTA 120 x

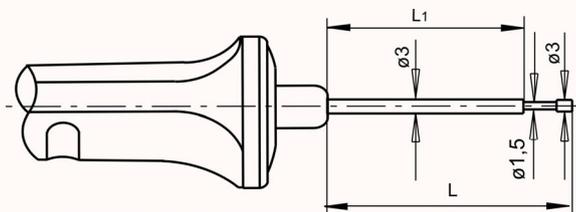


For surface measurement and immersion measurement

Meas. element: NiCr-Ni class 1 *
 Measuring tip: Operative range -200...+400 °C
 Silver rivet, level, spring-loaded,
 not electrically isolated
 T₉₀: * 3 s
 Handle * 138 mm
 Cable 1.5 m PVC

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

NiCr-Ni sensor with handle FTA 122 LxxxxH

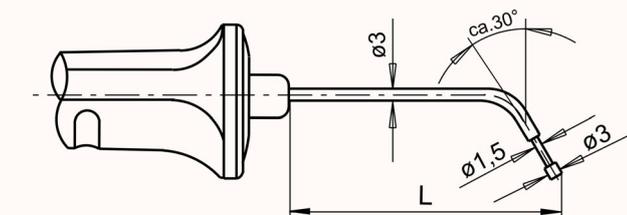


For surface measurement and immersion measurement

Meas. element NiCr-Ni class 1 *
 Measuring tip Operative range -200...+400 °C
 Silver rivet, level, not electr. isolated
 T₉₀: * 3 s
 Handle * 127 mm
 Cable **New** 1.5 m FEP / silicone thermal line**

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

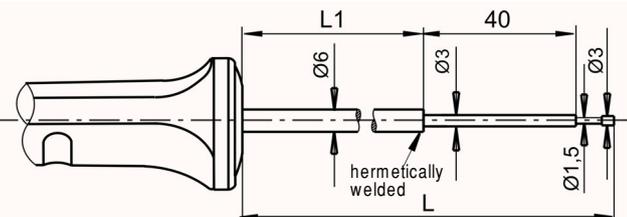


For surface measurement and immersion measurement

Meas. element NiCr-Ni class 1 *
 Measuring tip Operative range -200...+400 °C
 Silver rivet, level, angled,
 not electrically isolated
 T₉₀: * 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
 T₉₀: * 3 s
 Handle * 127 mm
 Cable **New** 1.5 m FEP / silicone thermal line**

L = 350 mm **Order no. FTA150L0350H**
 L = 700 mm **Order no. FTA150L0700H**
 L = 1250 mm **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
 T₉₀: * 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

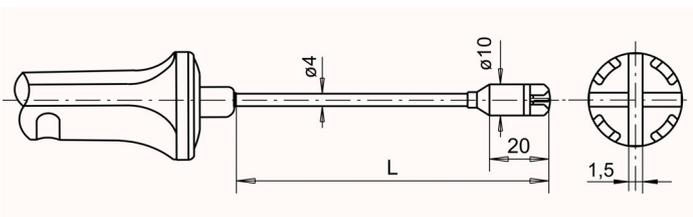


For surface measurement

Meas. element: NiCr-Ni class 2 *
 Measuring tip: Operative range -50...+500 °C
 Thermal ribbon, not electr. isolated
 Measuring head approx. 15 mm diameter
 T₉₀: * 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

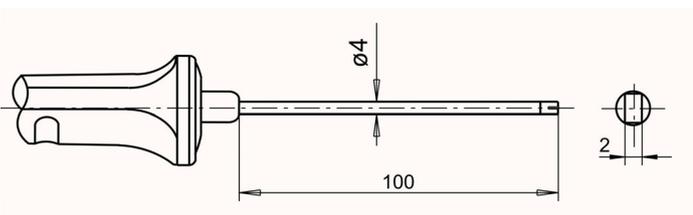


For surface measurement

Meas. element: NiCr-Ni class 2 *
 Measuring tip: Operative range -200...+250 °C
 Thermal ribbon, crossed,
 not electrically isolated
 T₉₀: * 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

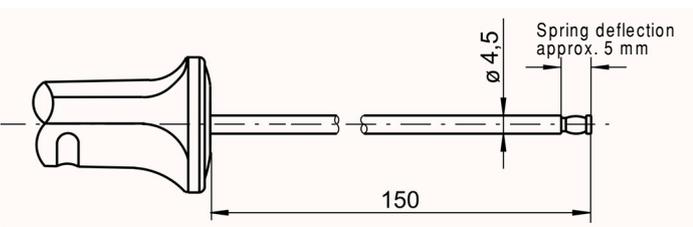


For surface measurement

Meas. element: NiCr-Ni class 2 *
 Measuring tip: Operative range -200...+250 °C
 Thermal ribbon, not electr. isolated
 T₉₀: * 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
 T₉₀: * 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

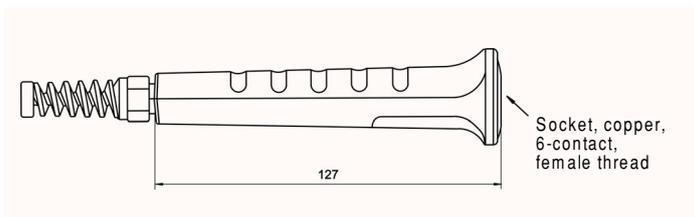
Meas. element NiCr-Ni class 2*
 Measuring tip Operative range -50 to +400 °C
 Meas. tip flat, approx. 7 x 40 mm
 Thermal ribbon, not electr. isolated
 T₉₀ * 2 s
 Plastic ring After approx. 65 mm (sensor tip up
 to ring), fixture for protective cap
 used for transport purposes
 Handle Small plastic handle
 Cable(s) Retractable cable PVC, approx. 1 m

L = approx. 130 mm
 (No variants available) **Order no. FTA102P**

new!

TEMPERATURE

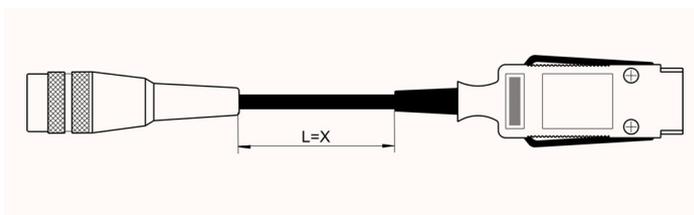
Handle HTA 301 G for NiCr-Ni measuring tips



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

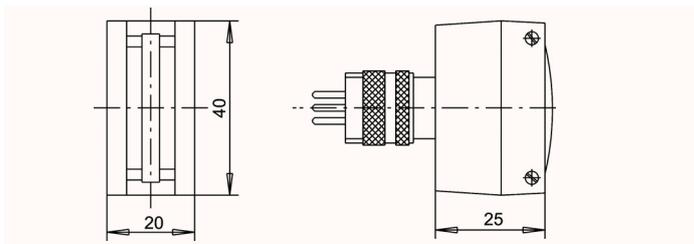


Coupling For circular connectors with screw connection
 Cable Length L, PVC

For surface measurement

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



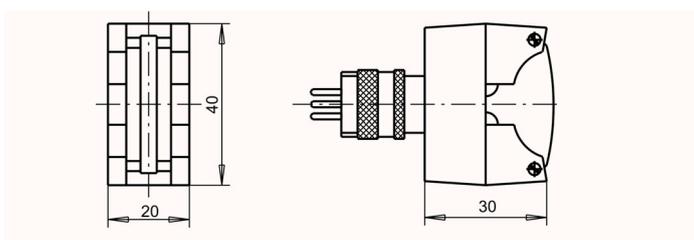
For surface measurement on level surfaces

Meas. element: NiCr-Ni class 2 *
 Measuring tip: Thermal ribbon, not electrically isolated
 T₉₀: * 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

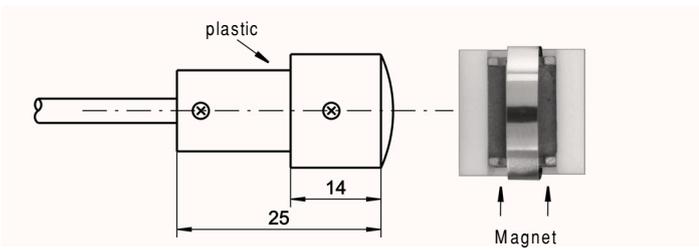
Meas. element: NiCr-Ni class 2 *
 Measuring tip: Thermal ribbon, not electrically isolated
 T₉₀: * 3 s
 Connector Circular connector with screw connection

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

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

01/2011 We reserve the right to make technical changes.

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
 T₉₀: * 1.5 s
 Cable: appr. 2 m PVC

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



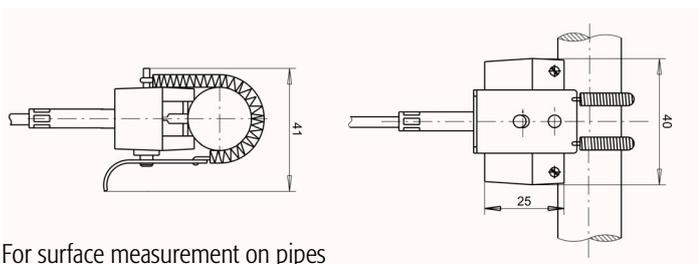
Magnet sensor with Velcro fastener e.g. for pipework

new!

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

NiCr-Ni sensor FTA 8068

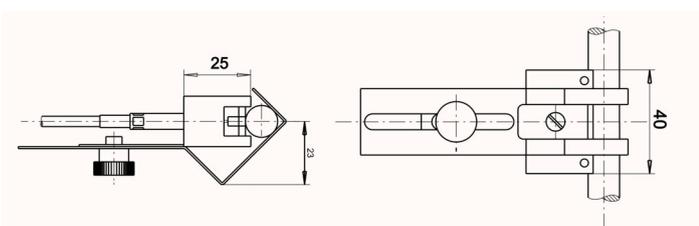


For surface measurement on pipes

Meas. element: NiCr-Ni class 2 *
 Measuring tip: Operative range -50...+120 °C
 Thermal ribbon, not electr. isolated
 Fastened by pipe clamp
 (spring-loaded)
 T₉₀: * 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

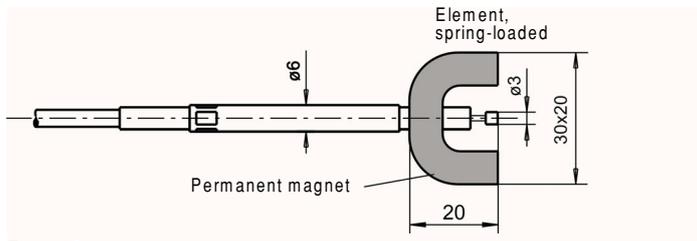
Meas. element: NiCr-Ni class 2 *
 Measuring tip: Operative range -50...+120 °C
 Thermal ribbon, not electr. isolated
 Fastened by pipe clamp
 T₉₀: * 3 s
 Pipe diameter 12...30 mm
 Cable: 1.2 m PVC

Pipe clamp sensor **Order no FTA8069**

* For general technical data, see page 08.03

TEMPERATURE

NiCr-Ni sensor FTA 131

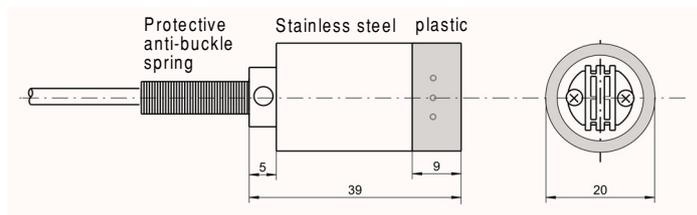


For surface measurement

Meas. element: NiCr-Ni class 2 *
 Measuring tip: Operative range -50...+100 °C
 Silver rivet, level, spring-loaded,
 not electrically isolated
 Fastened by magnet
 T₉₀: * 3 s
 Cable: 3 m FEP / silicone

Magnet sensor **Order no FTA131**

NiCr-Ni sensor FTA 026 P



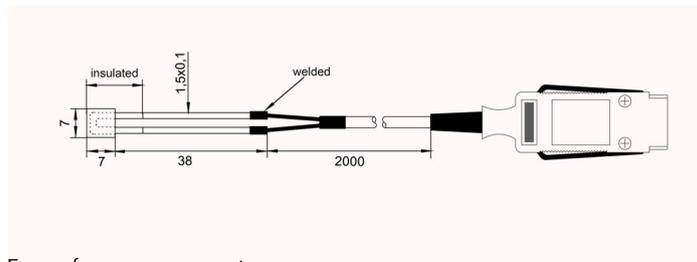
For surface measurement

Meas. element: NiCr-Ni class 1 *
 Measuring tip: Operative range -50...+300 °C
 Thermal ribbon,
 not electrically isolated
 T₉₀: * 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

new!



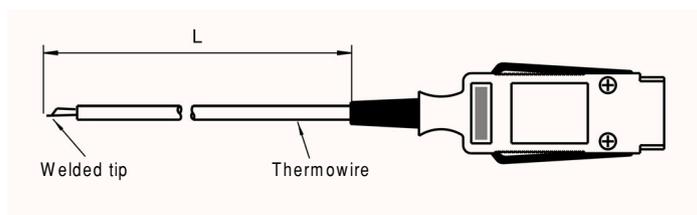
For surface measurement

Meas. element: NiCr-Ni class 2 *
 Measuring tip: Operative range -100...+200 °C
 Film, cresol insulation
 T₉₀: * 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
 T₉₀: * 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**

01/2011 We reserve the right to make technical changes.

* 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