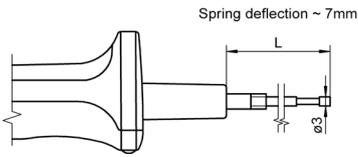


Temperature

NiCr-Ni sensor with handle FTA 120x

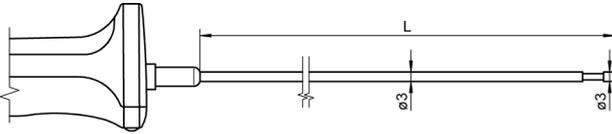


For surface measurement and immersion measurement

Accuracy: 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

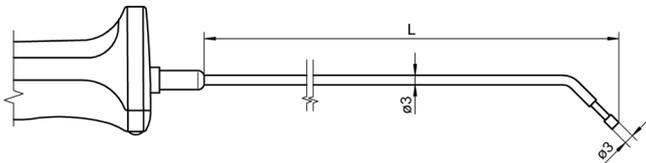


For surface measurement and immersion measurement

Accuracy: NiCr-Ni class 1*
 Measuring tip: Operative range -200...+400 °C
 Silver rivet, level, not electr. isolated
 T₉₀: * 3 s
 Handle: * 127 mm
 Cable: 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

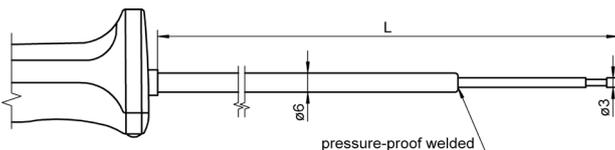


For surface measurement and immersion measurement

Accuracy: 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: 1.5 m FEP/silicone thermal line**

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

NiCr-Ni sensor with handle FTA 150 LxxxxH



For surface measurement and immersion measurement

Accuracy: NiCr-Ni class 1*
 Measuring tip: Operative range -200...+800 °C
 Stainless-steel rivet, level,
 electrically isolated
 T₉₀: * 3 s
 Handle: * 127 mm
 Cable: 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**

* Range of validity see page 147

** There is no adverse temperature effect at the juncture from measuring element to cable. see page 147

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



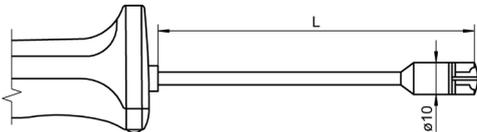
For surface measurement

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

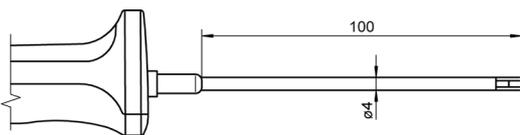


For surface measurement

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

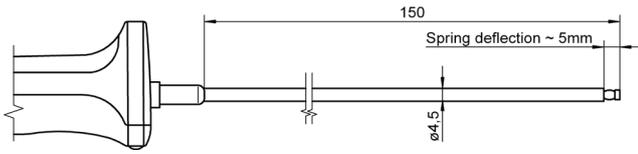
L = 100 mm **Order no. FTA1535L0100H**

* Range of validity see page 147

** There is no adverse temperature effect at the juncture from measuring element to cable. see page 147

Temperature

NiCr-Ni sensor with handle FTA 420 LxxxxH

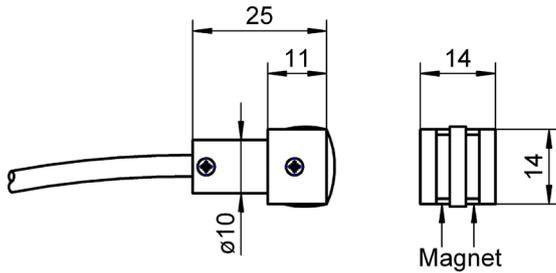


For surface measurement on level surfaces

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 FEP/silicone thermal line**

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: 2 m silicone thermal line**

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

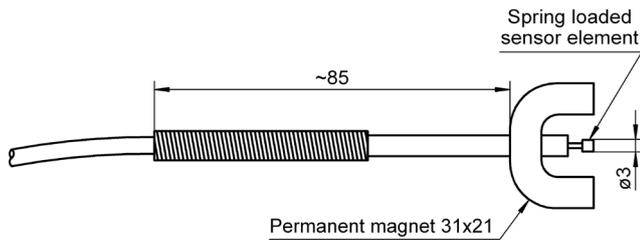
Magnet sensor, including Velcro fastener
Order no. FTA025PKB

* Range of validity see page 147

** There is no adverse temperature effect at the juncture from measuring element to cable. see page 147

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 FTA 131

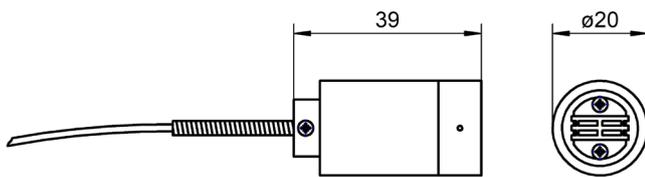


Magnet sensor For surface measurement

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

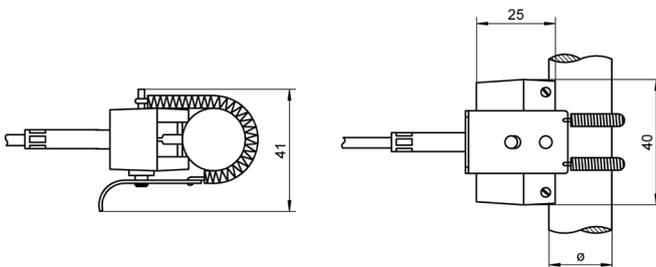


For surface measurement

Accuracy: NiCr-Ni class 1*
 Measuring tip: Operative range -50...+250 °C
 Thermal ribbon,
 not electrically isolated
 T_{90} : * 1.5 s
 Cable: 0.9 m line, PTFE compensating cable

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

NiCr-Ni sensor FTA 8068



For surface measurement on pipes

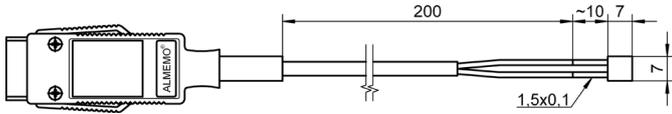
Accuracy: NiCr-Ni class 2*
 Measuring tip: Operative range -50...+120 °C
 Thermal ribbon, not electr. isolated
 Fastened by pipe clamp
 (spring-loaded)
 T_{90} : * 3 s
 Pipe diameter: 12...25 mm
 Cable: 1.2 m PVC

Pipe clamp sensor **Order no. FTA8068**

* Range of validity see page 147

Temperature

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

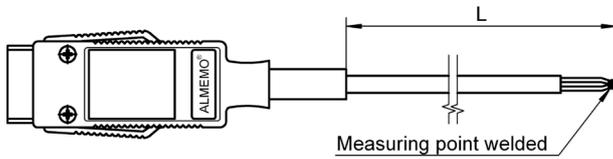
with permanently connected FEP / silicone thermal line (stranded wire)**

-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...+350°C (short time up to 400 °C)

Order no. FTA3900

Insulation FEP,
Operative range -200...+205 °C **Order no. FTA39010**

* Range of validity see page 147

** There is no adverse temperature effect at the juncture from measuring element to cable. see page 147

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

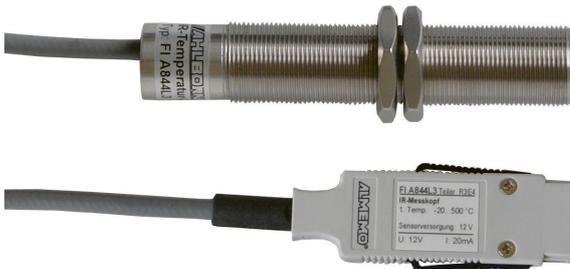
Cable length = 3 m

Order no. FIAD4332L3

For technical data, see page 176/177

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 178/179

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.