

# Temperature

## NiCr-Ni thermowire T 190-0



Accuracy: NiCr-Ni class 2\*  
Insulation : Glass fiber (wires and sheath)  
Operating temp.: -25°C to +350°C (short time up to 400 °C)  
Wire diameter: 0.5 mm  
External diameter: approx. 1.3 x 2.1 mm

NiCr-Ni thermowire per meter  
with glass fiber covering **Order no. LT01900**  
NiCr-Ni thermowire sensor, welded tip, with  
ALMEMO® connector 1.5m long **Order no. FTA3900**  
ALMEMO® connector 5m long **Order no. FTA3900L05**

## NiCr-Ni thermowire T 190-1



Accuracy: NiCr-Ni class 2\*  
Insulation : Glass fiber (wires and sheath)  
Operating temp.: -25°C to +350°C (short time up to 400 °C)  
Wire diameter: 0.2 mm  
External diameter: approx. 0.6 x 1.0 mm

NiCr-Ni thermowire per meter  
with glass fiber covering **Order no. LT01901**  
NiCr-Ni thermowire sensor, welded tip, with  
ALMEMO® connector 1.5 m long **Order no. FTA3901**  
ALMEMO® connector 5m long **Order no. FTA3901L05**

## NiCr-Ni thermowire T 190-2



Accuracy: NiCr-Ni class 2\*  
Insulation : PVC (wires and sheath)  
Operating temp.: -10°C to +105°C  
Wire diameter: 0.5 mm  
External diameter: approx. 2.2 x 3.4 mm

NiCr-Ni thermowire per meter  
with PVC insulation **Order no. LT01902**  
NiCr-Ni thermowire sensor, welded tip, with  
ALMEMO® connector 1.5 m long **Order no. FTA3902**  
ALMEMO® connector 5 m long **Order no. FTA3902L05**

## NiCr-Ni thermowire T 190-3



Accuracy: NiCr-Ni class 2\*  
Insulation : Silicone (wires and sheath)  
Operating temp.: -45°C to +200°C  
Wire diameter: 0.5 mm  
External diameter: approx. 4 mm

NiCr-Ni thermowire per meter  
with silicone insulation **Order no. LT01903**  
NiCr-Ni thermowire sensor, welded tip, with  
ALMEMO® connector 1.5 m long **Order no. FTA3903**  
ALMEMO® connector 5 m long **Order no. FTA3903L05**

\* Range of validity see page 07.03



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## NiCr-Ni thermowire T 190-10



Accuracy: NiCr-Ni class 2\*  
 Insulation : FEP (Wires and sheath)  
 Operating temp.: -200°C to +205°C  
 Wire diameter: 0.5 mm  
 External diameter: approx. 1.5 x 2.5 mm

NiCr-Ni thermowire per meter with FEP insulation **Order no. LT019010**  
 NiCr-Ni thermowire sensor, welded tip, with ALMEMO® connector 1.5m long **Order no. FTA39010**  
 ALMEMO® connector 5m long **Order no. FTA39010L05**

## NiCr-Ni thermowire T 190-11



Accuracy: NiCr-Ni class 2\*  
 Insulation : FEP (Wires and sheath)  
 Operating temp.: -200°C to +205°C  
 Wire diameter: 0.2 mm  
 External diameter: approx. 1.3 x 2.0 mm

NiCr-Ni thermowire per meter with FEP insulation **Order no. LT019011**  
 NiCr-Ni thermowire sensor, welded tip, with ALMEMO® connector 1.5m long **Order no. FTA39011**  
 ALMEMO® connector 5m long **Order no. FTA39011L05**

## NiCr-Ni thermowire T 190-7



Accuracy: NiCr-Ni class 2\*  
 Insulation : Ceramic fiber (Wires and sheath)  
 Operating temp.: -40°C to +1200°C  
 Wire diameter: 0.8 mm  
 External diameter: approx. 3 x 4 mm

NiCr-Ni thermowire per meter with ceramic fiber insulation **Order no. LT01907**  
 NiCr-Ni thermowire sensor, welded tip, with ALMEMO® connector 1.5m long **Order no. FTA3907**  
 ALMEMO® connector 5m long **Order no. FTA3907L05**

Nur für trockene, nicht aggressive Umgebung!

## NiCr-Ni compensation line T 191-1



compensation line: NiCr-Ni  
 Insulation : PVC (Wires and sheath)  
 Operating temp.: -10°C to +105°C  
 Wire diameter: 0.5 mm  
 External diameter: approx. 3.6 mm

NiCr-Ni bunched conductor with PVC insulation, for each meter **Order no. LT01911**

**Other types are available on request.**

LT01912 Insulation Silicone/silicone/glass filament, up to 200°C  
 LT01913 Insulation PVC / screening film / PVC, up to 105°C

## NiCr-Ni thermal line (Litze) T 191-6



Thermal line (stranded wire): NiCr-Ni\*  
 Insulation: Wires : FEP, sheath : silicone  
 Operating temp.: -50...+200°C  
 Wire diameter: 0.7 mm  
 External diameter: approx. 3.8 mm

NiCr-Ni thermal line (stranded wire) with FEP / silicone insulation, per meter **Order no. LT01916**

\* 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