

STANDARD - JACKET THERMO ELEMENTS TYPE K (NICR-NI)



HIGHLIGHTS:

- Can be subjected to high temperatures and pressures
- Resistant to aggressive atmospheres
- Minimum dimensions, therefore short response times
- Flexible (the smaller the diameter the smaller the bending radii)
- Potential-free (thermoelement wires have no connection to the outer jacket)
- Optimum accuracy acc. to DIN IEC584 class 1



$L = 1 \text{ m}$, for other cable length or other accessories p.r.t. accessories

GTF101-5-xx-xxxx

Jacket thermo elements NiCr-Ni (type K) complete with cable sleeve and 1 m silicone cable (compensation line), loose wire ends

Specifications:

Jacket material:	Inconel 600, flexible (standard)
Insulation:	highly compressed pure MgO
Thermo wires:	NiCr-Ni, DIN IEC 584, welding insulated (volt-free)
Accuracy:	optimum accuracy (cl. 1) = $\pm 1.5 \text{ }^\circ\text{C}$ or $\pm 0.4 \%$ of measuring value (Almost double accuracy as compared to class 2. As a comparison with class 2: $\pm 2.5 \text{ }^\circ\text{C}$ or $\pm 0.75 \%$ of meas. value)
Connecting cable:	silicone compensation line, 1 m long (max. $200 \text{ }^\circ\text{C}$), loose ends
Temperature application range:	$-200 \dots +1150 \text{ }^\circ\text{C}$ (Probe tip and front part; wire outlet: max. $200 \text{ }^\circ\text{C}$, for cable p.r.t. accessories) (Accuracy class 1 applicable from $-40 \dots +1000 \text{ }^\circ\text{C}$)

Recommended upper temperature limit for continuous use:

	0.5	1.0	1.5
$\text{ }^\circ\text{C}$	700	700	920

Accessories and spare parts:**Clamping screw connection**

 ° 1.5, 3.0 or 6.0 mm, see accessories

NST 1200-K

Art. no. 602566

Prefabricated flat connector, Type K

Type:		 ° mm	EL mm
GTF101-5-05-0150	Art. no. 607596	0,5	150
GTF101-5-05-0250	Art. no. 607597		250
GTF101-5-05-0500	Art. no. 607598		500
GTF101-5-05-1000	Art. no. 607599		1000
GTF101-5-05-1500	Art. no. 607600		1500
GTF101-5-10-0150	Art. no. 607601	1,0	150
GTF101-5-10-0250	Art. no. 607602		250
GTF101-5-10-0500	Art. no. 607603		500
GTF101-5-10-1000	Art. no. 607604		1000
GTF101-5-10-1500	Art. no. 607605		1500
GTF101-5-15-0150	Art. no. 607606	1,5	150
GTF101-5-15-0250	Art. no. 607607		250
GTF101-5-15-0500	Art. no. 607608		500
GTF101-5-15-1000	Art. no. 607609		1000
GTF101-5-15-1500	Art. no. 607610		1500
GTF101-5-30-0150	Art. no. 607611	3,0	150
GTF101-5-30-0250	Art. no. 607612		250
GTF101-5-30-0500	Art. no. 607613		500
GTF101-5-30-1000	Art. no. 607614		1000
GTF101-5-30-1500	Art. no. 607615		1500
GTF101-5-60-0150	Art. no. 607616	6,0	150
GTF101-5-60-0250	Art. no. 607617		250
GTF101-5-60-0500	Art. no. 607618		500
GTF101-5-60-1000	Art. no. 607619		1000
GTF101-5-60-1500	Art. no. 607620		1500

Special sizes and other connection cables see industry temperature probe type GTF 101 K

All thermo elements accuracy class 1
(Almost double accuracy than class 2!)

Note: Handheld instrument probes can be found in chapter handheld instruments and the appropriate devices