

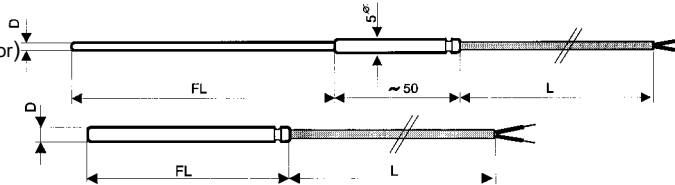
# Standard probes and custom-designed temperature probes

customized products can only be ordered written and can generally not be exchanged!

## GTF 101

-200 ... +1150°C (depending on sensor)

pre-assembled according to customer specification



basic price  
for Ø3mm, FL=100, L=1m of silicone cable

Final price can only be determined after receipt of customer specification!

Please contact us to find out which dias are available for our various sensors.

Available sensors: Pt100 (2-/ 3- or 4-wire), NiCr-Ni, Pt1000 and others - please contact us!

Measuring range: Pt100/Pt1000: -50 ... +400°C (others upon upcharge), NiCr-Ni: -200 ... +1150°C

Tube material: V4A

FL= please specify probe length upon order (in mm)

Basic price valid up to = 100mm, upcharge each started additional 100mm

D = Ø 0.5 mm to Ø 8.0 mm. - please specify Ø upon order (available Ø: 0.5, 1.0, 1.5, 2.0, 2.2, 3.0, 4.0, 5.0, 6.0, 6.7, 8.0)

At probe diameters below 4 mm an additional sleeve of Ø 5 mm and 50 mm length is mounted.

Basic price valid for D>3mm. Dias < 3mm upon request

L = desired cable length, cable screening (e.g. PVC, silicon, teflon, glass silk etc.) and wire quantity (e.g. 2-, 3- or 4-wire) to be specified on order. Basic price valid for silicone cable, 1m. **for upcharge p.r.t. page 109**

Additional specification: a) temperature range

b) ambient temperature

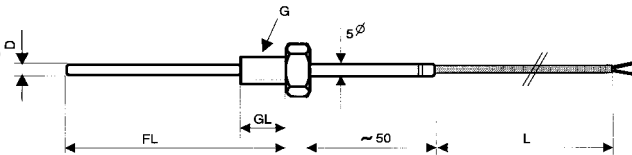
c) plug or other cable connection

Please note: depending on tube diameter the sensor design may deviate from figure.

## GTF 102

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pre-assembled according to customer specification



basic price

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Measuring range: Pt100/Pt1000: -50 ... +400°C (others upon upcharge), NiCr-Ni: -200 ... +1150°C

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Basic price valid for D>3mm. Dias < 3mm upon request

L = desired cable length, cable screening (e.g. PVC, silicon, teflon, glass silk etc.) and wire quantity (e.g. 2-, 3- or 4-wire) to be specified on order. Basic price valid for silicone cable, 1m. **for upcharge p.r.t. page 109**

G\* = please specify thread desired: e.g. M5 or G1/2" (= 1,27 cm) etc. **Material:** stainless steel

(Available threads: M5, M6, M8, M10, M12, G1/4", G3/8", G1/2", G3/4", M10x1, M12x1.5, M14x1.5). Basic price valid for all threads

GL = specification only required if max. lengths must not be exceeded; unless this is the case glandings acc. to DIN910 are used; for smaller threads certain standard lengths are used. Basic price valid for all threads certain

Additional specification: temperature range, ambient temperature, plug or other cable connection

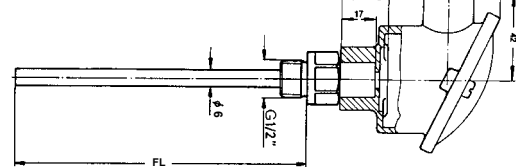
Ordering example: \* G 1/2" = 1,27 cm, G 1/4" = 0,635 cm, G 3/8" = 0,9525 cm, G 3/4" = 1,905 cm

GTF101, Pt100, -50...400°C, FL=100mm, D=3mm, KL=1m, teflon cable, 4-wire

GTF101, NiCr-Ni (type K), -50...1150°C, FL=300mm, D=3mm, KL=2m, silicone cable

## GTF 103 ...

-200 ... +1150°C  
(depending on sensor)



### GTF 103 S Standard design:

Pt100 class B in 2-, 3- or 4-wire connection - please specify upon order.

DIN B-head (lacquered aluminium)

G1/2" (= 1,27 cm) thread, FL=100mm, D=6mm Ø

Thread and sensor tube made of V4A stainless steel, welded.

### GTF 103 customized design

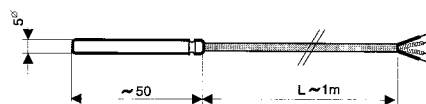
please refer to page 108

Upcharge for higher probe accuracy (Pt100/Pt1000): p.r.t. page 101

## GTF 200 Pt100

-50 ... +200°C, Pt100, 4-wire

Sensor: Pt100, DIN cl.B (±0,3°C at 0°C)



Sensor sleeve made of st. steel

Cable: silicone (4 x 0.14²), approx. 1m

suitable for 2-/ 3- or 4-wire probe

## GTF 200 Pt100 WD

-20 ... +105°C, Pt100, 4-wire

tube enclosed water proof!

Sensor: Pt100, DIN cl.B (±0,3°C at 0°C)

Sensor sleeve made of st. steel

Cable: PVC (4 x 0.14²), approx. 1m

suitable for 2-/ 3- or 4-wire probe

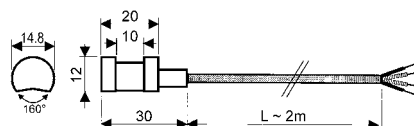
## GRO 200 Pt100

## GRO 200 Pt1000

-50 ... +200°C, DIN cl.B, 4-wire

## GRO 200 K

-50 ... +200°C, NiCr-Ni (type K)



Sensor body made of aluminium

Cable: silicone, approx. 2m

Probe can be mounted with cable clamp or similar constructions to pipes

For faster heat exchange we suggest our heat-conductive paste **GWL10G**