

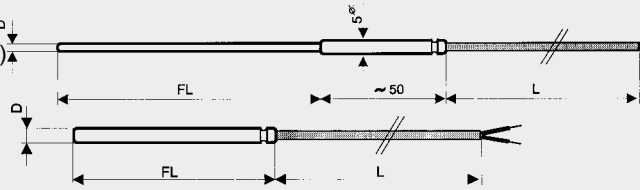
# Industrial temperature probes

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 diases 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, 2.2, 3.0, 4.0, 5.0, 6.0, 6.7, 8.0, 10.0)

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. Diases < 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 135

**Additional specification:** a) temperature range

b) ambient temperature

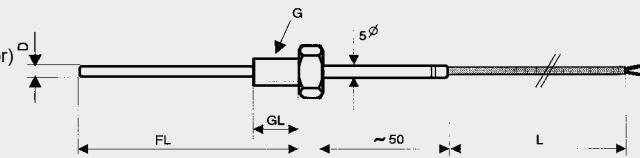
c) plug or other cable connection

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

## GTF 102

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

pre-assembled according to customer specification



basic price

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

Please contact us to find out which diases 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, 2.2, 3.0, 4.0, 5.0, 6.0, 6.7, 8.0, 10.0)

Basic price valid for D>3mm. Diases < 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 135

G = please specify thread desired: e.g. M5 or G½" 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:**

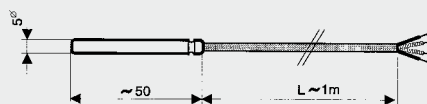
GTF102, Pt100, -50...400°C, FL=100mm, D=3mm, KL=1m, teflon cable, 4-wire

GTF102, NiCr-Ni (type K), -50...1150°C, FL=300mm, D=3mm, KL=2m, silicone cable

## 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

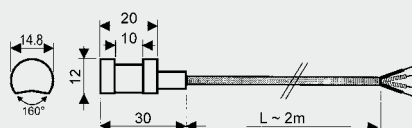
## GRO 200 Pt100

## 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**