

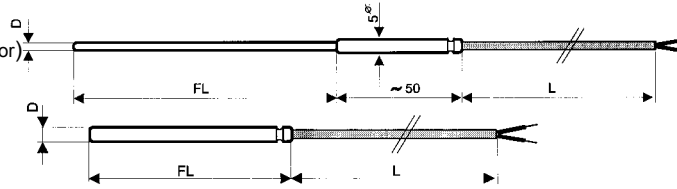
Standard probes and custom-designed temperature probes

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 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 (1.4571)

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. D_{ias} < 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 93

Additional specification: a) temperature range

b) ambient temperature

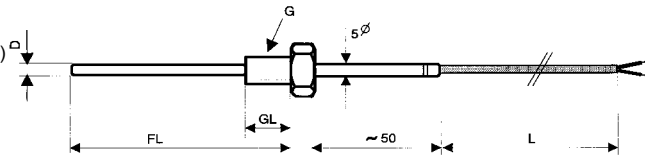
c) plug or other cable connection

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 (1.4571)

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)

Basic price valid for D>3mm. D_{ias} < 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 93

G = please specify thread desired: e.g. M5 or G1/2" 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 glands 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

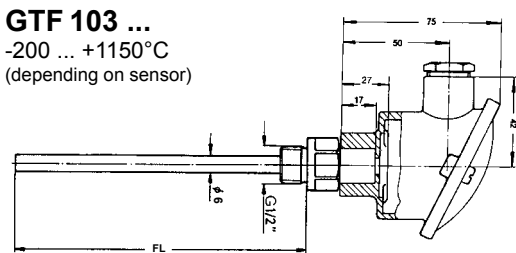
Ordering example:

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" thread, FL=100mm, D=6mm Ø

Thread and sensor tube made of V4A (1.4571) stainless steel, welded.

GTF 103 customized design

please refer to page 92

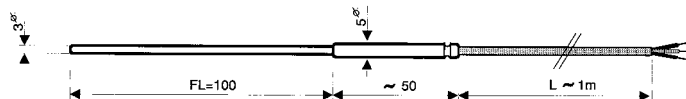
Upcharge for higher probe accuracy (Pt100/Pt1000): p.r.t. page 85

GTF 199

-50 ... +400°C,

Pt100, 3-wire

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



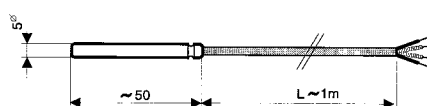
Sensor tube made of st. steel

Cable: silicone (3 x 0.14²), approx. 1m

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

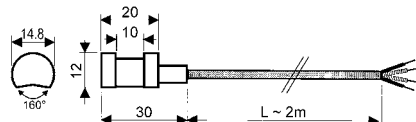
GRO 200 Pt100

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 (4 x 0.14²), approx. 2m

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

For faster heat exchange we suggest our heat-conductive paste **GWL5G**