Temperature probes

ACCURACY

Pt100 / Pt1000:

sensor accuracy acc. to DIN EN 60751 DIN cl. B: (area of validity: -50 ... +500 °C) DIN cl. A: (area of validity: -30 ... +300 °C)

±0.3°C at 0°C ±0.15°C at 0°C

DIN cl. AA = 1/3 DIN cl. B: (0 ... +150 °C) 1/10 DIN cl. B:

±0.1°C at 0°C ±0.03°C at 0°C

Thermocouples:

sensor accuracy acc. to DIN EN 60584-2

±1.5 °C at range -40 ... +375 °C class 1 for Type K: class 1 for Type N: ±1.5 °C at range -40 ... +375 °C class 1 for Type S: ±1°C at range 0 ... 1100°C

PLEASE NOTE:

customized probes have to be ordered in writing! return or exchange are not possible!

SPECIAL DESIGNS

Upcharges:

basic fee for custom made probe

longer probe tube

upcharge per further starting 100 mm

longer cable (silicone)

upcharge per further starting meter

other cable material

upcharge per meter, please refer to cable pricing p. 140

teflon covered probe tube

(for probes up to 200 mm)

(for probes used in acids and salt water, upper temperature range 250 °C)

waterproof probe handle

(casted, only possible with PVC cable -20 ... +105 °C)

higher sensor accuracy:

1/3 DIN class B, for Pt100 and Pt1000, tolerances: 0.1 °C at 0 °C

higher sensor accuracy:

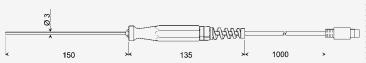
1/10 DIN class B, for Pt100-probes, tolerances: 0.03 °C at 0 °C

Pt100 Measuring probe

Immersion probe for liquids / gases, 4-wire

GTF 401

-50 ... +400 °C, DIN cl. B



Specification:

non-corrosive stainless steel tube (V4A), plastic handle, approx. 1 m 4-wire PVC cable, anti-buckling glanding, 4-pin miniature DIN-type plug

Response time T₉₀ approx. 10 s, air approx. 40 s

suitable for GMH 2000(SA), GMH 3530, GMH 3710, GMH 3750

GTF 401 1/3 DIN *

-50 ... +400 °C, as GTF401 however 1/3 DIN class B (±0.1 °C at 0 °C)

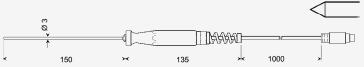
GTF 401 1/10 DIN *

-50 ... +400 $^{\circ}\text{C},$ as GTF401 however 1/10 DIN class B (±0.03 $^{\circ}\text{C}$ at 0 $^{\circ}\text{C})$ and flexible jacket tube, Ø 3 mm

Insertion probe for soft media, 4-wire

GES 401

-50 ... +400 °C, DIN cl. B



Specification:

Specification as for GTF401 but with needle type prod

Response time T₉₀

suitable for GMH 2000(SA), GMH 3530, GMH 3710, GMH 3750

GES 401 1/3 DIN *

-50 ... +400 °C, as GES401 however 1/3 DIN class B (±0.1 °C at 0 °C)

Immersion probe for liquids / gases, 4-wire

GTF 601

-200 ... +600 °C, DIN cl. B

Specification:

handle as per GTF150, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug, flecible jacket tube, 3 mm \emptyset . (smaller tube diameter upon request)

Response time T₉₀

suitable for GMH 2000(SA), GMH 3530, GMH 3710, GMH 3750

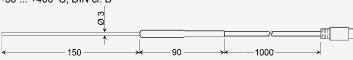
approx. 10 s

GTF 601 1/3 DIN *

-200 ... +600 °C, as GTF601 however 1/3 DIN class B (±0.1 °C at 0 °C)

GTF 35

-50 ... +400 °C, DIN cl. B



Specification:

non-corrosive stainless steel tube (V4A), approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug

GMH35xx, GMH3710, GMH3750 suitable for

Fast and accurate Measurement of ambient air

GLF 401 Mini

-25 ... +70°C, DIN cl. A



Ø 1.6 mm, FL = approx. 40 mm, 4-pin mini DIN-type plug, fast and accurate measurement of ambient air

Response time T₉₀

GMH 3530, GMH 3710, GMH 3750

approx. 15 s

Surface probe for solid surfaces

GOF 401 Mini

-50 ... +200 °C, DIN cl. B



Specification:

 $2\,x\,2.3$ mm ceramic Pt1000 sensor mounted at the tip, V4A tube, 4-wire PVC cable with 4-pin miniature DIN-type plug

Response time T₉₀

approx. 15 s

GMH 3530, GMH 3710, GMH 3750 suitable for

^{*} Please note the area of validity for the class of accuracy given above.