

SUITABLE PT100 MEASURING PROBE (4-WIRE)

**Accuracy Pt100:**

Sensor accuracy acc. to DIN EN 60751	
<b>DIN cl. B:</b> (area of validity: -50 ... +500 °C)	±0.3 °C at 0 °C
<b>DIN cl. A:</b> (area of validity: -30 ... +300 °C)	±0.15 °C at 0 °C
<b>DIN cl. AA = 1/3 DIN cl. B:</b> (area of validity: 0 ... +150 °C)	±0.1 °C at 0 °C
<b>1/10 DIN cl. B:</b> (area of validity: -50 ... +100 °C)	±0.03 °C at 0 °C

**Upcharges special designs: (Deviations are possible based on the construction)**

- longer probe tube:** upcharge per further starting 100 mm
- longer cable (PVC):** upcharge per further starting 100 mm
- other cable material upon request**
- 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** (only possible with PVC cable -20 ... +105 °C)
- higher sensor accuracy:** DIN cl. AA, for Pt100, tolerances: 0.1 °C at 0 °C
- higher sensor accuracy:**  
1/10 DIN cl. B, for Pt100-probes, tolerances: 0.03 °C at 0 °C
- basic fee for custom made probe**



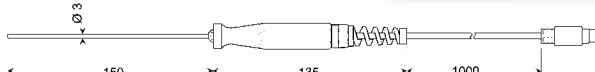
**GTF 401**

Art. no. 600377  
Immersion probe for liquids / gases  
-50 ... +400 °C, DIN cl. B



**GTF 401 DIN cl. AA**

Art. no. 600378  
Immersion probe for liquids / gases  
-50 ... +400 °C, DIN cl. AA (±0.1 °C at 0 °C)

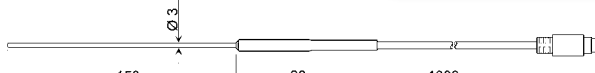


non-corrosive stainless steel tube (V4A) Ø 3 mm, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug  
**Response time T<sub>90</sub>** water 0.4 m/s approx. 10 s, air 2 m/s approx. 40 s



**GTF 35**

Art. no. 600391  
Immersion probe for liquids / gases  
-50 ... +400 °C, DIN cl. B



non-corrosive stainless steel tube (V4A) Ø 3 mm, shrink sleeving, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug  
**Response time T<sub>90</sub>** water 0.4 m/s approx. 10 s, air 2 m/s approx. 40 s



**GES 401**

Art. no. 600384  
Insertion probe for soft media  
-50 ... +400 °C, DIN cl. B



**GES 401 DIN cl. AA**

Art. no. 600385  
Insertion probe for soft media  
-50 ... +400 °C, DIN cl. AA (±0.1 °C at 0 °C)



stainless steel tube (V4A) Ø 3 mm with needle type prod, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug  
**Response time T<sub>90</sub>** water 0.4 m/s approx. 10 s, air 2 m/s approx. 40 s



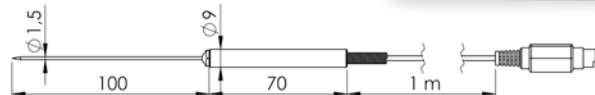
**GES 20-P4 DIN Kl. A**

Art. no. 414061  
Core temperature- / food probe with compact teflon handle  
-70 ... +250 °C, Pt100 cl. A



**GES 20-P4 DIN cl. B**

Art. no. 413543  
Core temperature- / food probe with compact teflon handle  
-70 ... +250 °C, Pt100 cl. B



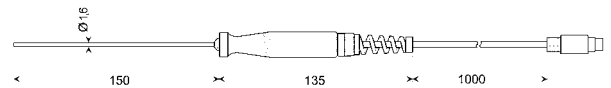
V4A tube with narrow insertion tip with 1.5 mm diameter, small Teflon handle, stainless steel anti-kink protection, 1 m Teflon cable, 4 pin mini-DIN plug connector  
**Response time T<sub>90</sub>** water 0.4 m/s <1 s, air 2 m/s approx. 12 s

- Advantages of sheath element Pt100:**
- high temperature resistance
  - sheath cable is bendable
  - high shock resistance
  - high service life



**GTF 401 / 1.6**

Art. no. 602066  
Immersion probe with sheath element Pt100  
-50 ... +400 °C, DIN cl. B



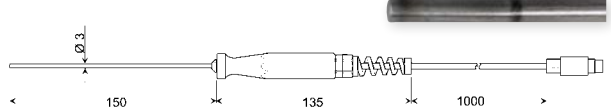
V4A sheath tube bendable, Ø 1.6 mm, plastic handle, antikink connection, approx. 1 m 4-pole cable, mini-DIN plug

**Response time T<sub>90</sub>** water 0.4 m/s <2 s, air 2 m/s approx. 25 s



**GTF 401 1/10 DIN**

Art. no. 600379  
Immersion probe with sheath element Pt100  
-50 ... +400 °C, 1/10 DIN class B (±0.03 °C at 0 °C)



stainless steel tube (V4A) Ø 3 mm, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug

**Response time T<sub>90</sub>** water 0.4 m/s <5 s, air 2 m/s approx. 60 s



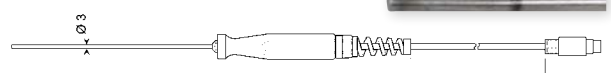
**GTF 601**

Art. no. 600387  
Immersion probe with sheath element Pt100  
-200 ... +600 °C, DIN cl. B



**GTF 601 DIN cl. AA**

Art. no. 600388  
Immersion probe with sheath element Pt100  
-200 ... +600 °C, DIN cl. AA (±0.1 °C at 0 °C)



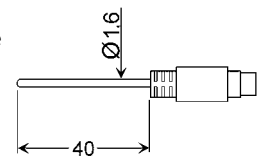
V4A-fleccible jacket tube, Ø 3 mm, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug

**Response time T<sub>90</sub>** water 0.4 m/s <5 s, air 2 m/s approx. 60 s



**GLF 401 Mini**

Art. no. 600395  
Environmental temperature probe without cable,  
-25 ... +70 °C, DIN cl. A



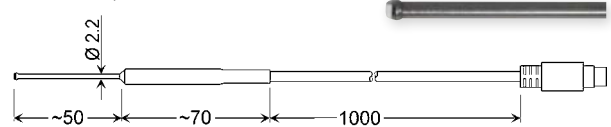
V4A tube Ø 1.6 mm, FL = approx. 40 mm, 4-pin mini DIN-type plug

**Response time T<sub>90</sub>** air 2 m/s approx. 25 s



**GOF 401 Mini**

Art. no. 600396  
Surface probe, frontal ceramic surface  
-50 ... +200 °C, DIN cl. B



Frontal Pt100 ceramic plate 2 x 2.3 mm, V4A tube Ø 2.2 mm, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug

**Response time T<sub>90</sub>** approx. 15 s