

## 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> (0 ... +150 °C)	±0.1 °C at 0 °C
<b>1/10 DIN cl. B:</b>	±0.03 °C at 0 °C

**Upcharges special designs:****longer probe tube**

upcharge per further starting 100 mm

**longer cable (silicone)**

upcharge per further starting meter

**other cable material**

upcharge per meter

**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:**

DIN cl. AA, for Pt100, 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

**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 KI. 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 1 m/s approx. 40 s**GTF 35**

Art. no. 600391

Immersion probe for liquids / gases

-50 ... +400 °C, DIN KI. B



non-corrosive stainless steel tube (V4A) Ø 3 mm, shrink sleeve, 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 1 m/s approx. 40 s**GES 401**

Art. no. 600384

Insertion probe for soft media

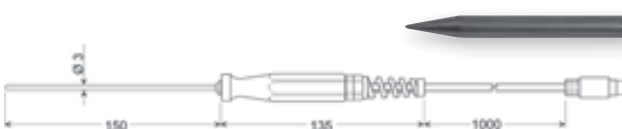
-50 ... +400 °C, DIN cl. B

**GES 401 DIN KI. 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 1 m/s approx. 40 s

**Advantages of sheath element Pt100:**

- high temperature resistance
- sheath cable is bendable
- high shock resistance
- high service life

-50 °C  
+400 °C**GTF 401 / 1.6**

Art. no. 602066

Immersion probe with sheath element Pt100

-50 ... +400 °C, DIN cl. B



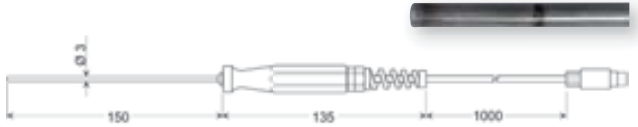
V4A sheath tube bendable, Ø 1.6 mm, plastic handle, antikink connection, approx. 1 m 4-pole cable, mini-DIN plug

**Response time T<sub>90</sub>** water 0.4 m/s < 2 s, air 1 m/s approx. 25 s-50 °C  
+400 °C**GTF 401 1/10 DIN**

Art. no. 600379

Immersion probe with sheath element Pt100

-50 ... +400 °C, 1/10 DIN cl. 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 1 m/s approx. 60 s-200 °C  
+600 °C**GTF 601**

Art. no. 600387

Immersion probe with sheath element Pt100

-200 ... +600 °C, DIN cl. B

-200 °C  
+600 °C**GTF 601 DIN KI. AA**

Art. no. 600388

Immersion probe with sheath element Pt100

-200 ... +600 °C, DIN cl. AA (±0.1 °C at 0 °C)



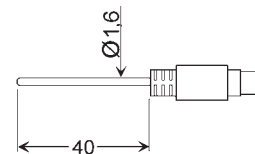
V4A-flecible jacket tube, Ø 3 mm, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug

**Response time T<sub>90</sub>** water 0.4 m/s < 5 s, air 1 m/s approx. 60 s-25 °C  
+70 °C**GLF 401 Mini**

Art. no. 600395

Ambient air probe

-25 ... +70 °C, DIN cl. A



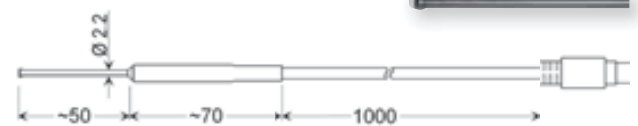
V4A tube Ø 1.6 mm, FL = approx. 40 mm, 4-pin mini DIN-type plug

**Response time T<sub>90</sub>** air 1 m/s approx. 25 s-50 °C  
+200 °C**GOF 401 Mini**

Art. no. 600396

Surface probe for solid surfaces

-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