

## SUITABLE PT100 MEASURING PROBE (4-WIRE)

## IMMERSION PROBE FOR LIQUIDS / GASES

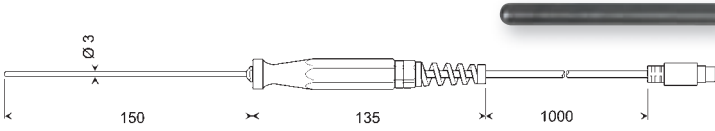
**GTF 401**

Product-ID: 600377

-50 ... +400 °C, DIN class B

**GTF 401 1/3 DIN \***

Product-ID: 600378

-50 ... +400 °C, 1/3 DIN class B ( $\pm 0.1$  °C at 0 °C)non-corrosive stainless steel tube (V4A)  $\varnothing$  3 mm, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug**Response time  $T_{90}$**  water 0.4 m/s approx. 10 s, air 1 m/s approx. 40 s**GTF 35**

Product-ID: 600391

-50 ... +400 °C, DIN class B

non-corrosive stainless steel tube (V4A)  $\varnothing$  3 mm, shrink sleeving, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug**Response time  $T_{90}$**  water 0.4 m/s approx. 10 s, air 1 m/s approx. 40 s

## IMMERSION PROBE WITH SHEATH ELEMENT PT100

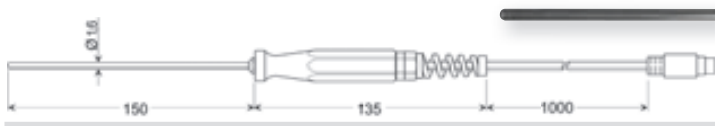
**Advantages of sheath element Pt100:**

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

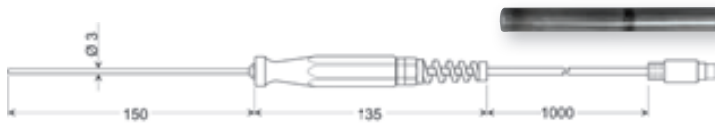
**GTF 401 / 1.6**

Product-ID: 602066

-50 ... +400 °C, DIN class B

V4A sheath tube bendable,  $\varnothing$  1.6 mm, plastic handle, antikink connection, approx. 1 m 4-pole cable, mini-DIN plug**Response time  $T_{90}$**  water 0.4 m/s < 2 s, air 1 m/s approx. 25 s**GTF 401 1/10 DIN \***

Product-ID: 600379

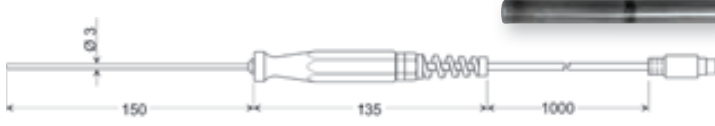
-50 ... +400 °C, 1/10 DIN class B ( $\pm 0.03$  °C at 0 °C)stainless steel tube (V4A)  $\varnothing$  3 mm, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug**Response time  $T_{90}$**  water 0.4 m/s < 5 s, air 1 m/s approx. 60 s**GTF 601**

Product-ID: 600387

-200 ... +600 °C, DIN class B

**GTF 601 1/3 DIN \***

Product-ID: 600388

-200 ... +600 °C, 1/3 DIN class B ( $\pm 0.1$  °C at 0 °C)V4A-flecible jacket tube,  $\varnothing$  3 mm, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug**Response time  $T_{90}$**  water 0.4 m/s < 5 s, air 1 m/s approx. 60 s

## INSERTION PROBE FOR SOFT MEDIA

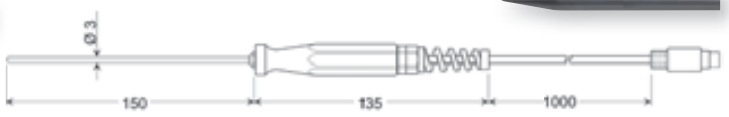
**GES 401**

Product-ID: 600384

-50 ... +400 °C, DIN class B

**GES 401 1/3 DIN \***

Product-ID: 600385

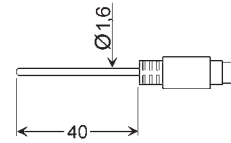
-50 ... +400 °C, 1/3 DIN class B ( $\pm 0.1$  °C at 0 °C)stainless steel tube (V4A)  $\varnothing$  3 mm with needle type prod, plastic handle, anti-buckling glanding, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug**Response time  $T_{90}$**  water 0.4 m/s approx. 10 s, air 1 m/s approx. 40 s

## AMBIENT AIR PROBE

**GLF 401 Mini**

Product-ID: 600395

-25 ... +70 °C, DIN class A

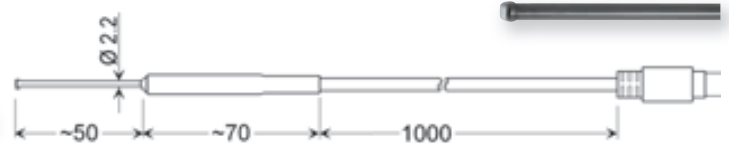
V4A tube  $\varnothing$  1.6 mm, FL = approx. 40 mm, 4-pin mini DIN-type plug**Response time  $T_{90}$**  air 1 m/s approx. 25 s

## SURFACE PROBE FOR SOLID SURFACES

**GOF 401 Mini**

Product-ID: 600396

-50 ... +200 °C, DIN class B

Frontal Pt100 ceramic plate 2 x 2.3 mm, V4A tube  $\varnothing$  2.2 mm, approx. 1 m 4-wire PVC cable, 4-pin miniature DIN-type plug**Response time  $T_{90}$**  approx. 15 s

## ACCURACY

**Pt100 / Pt1000:**

sensor accuracy acc. to DIN EN 60751

**DIN class B:** (area of validity: -50 ... +500 °C)  $\pm 0.3$  °C at 0 °C**DIN class A:** (area of validity: -30 ... +300 °C)  $\pm 0.15$  °C at 0 °C**DIN class AA = 1/3 DIN class B:** (0 ... +150 °C)  $\pm 0.1$  °C at 0 °C**1/10 DIN class B:**  $\pm 0.03$  °C at 0 °C

## SPECIAL DESIGNS

**Upcharges:****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 page 159**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

basic fee for custom made probe