

SUITABLE PT100 MEASURING SENSOR (4-WIRE)

ACCURACIES PT100:

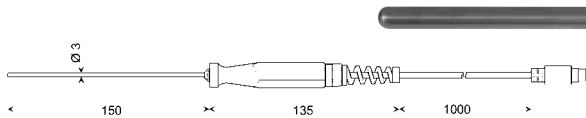
Sensor accuracy according to DIN EN 60751
DIN class B: (validity range: -50 .. + 500 °C) ± 0.3 °C at 0 °C
DIN class A: (validity range: -30 .. + 300 °C) ± 0.15 °C at 0 °C
DIN class AA = 1/3 DIN class B: (Validity range: 0 .. + 150 °C) ± 0.1 °C at 0 °C
1/10 DIN Kl. B: (validity range: 0 .. + 100 °C) ± 0.03 °C at 0 °C

SURCHARGES SPECIAL DESIGNS:
 (DESIGN-RELATED VARIATIONS ARE AVAILABLE)

longer sensor tube: surcharge per additional 100 mm or part thereof
longer sensor cable (PVC): surcharge per additional 1 m or part thereof
Coiled cable stretched approx. 1.2 m
other cable types on request
Sensor tube with teflon shrinkage
 (for temperature sensors up to 200 mm)
 (for measurements in acids and sea water. max.measuring range = 250 °C)
Sensor handle waterproof encapsulated (only possible with PVC cable -20 .. + 105 °C)
higher sensor accuracy: DIN class AA, for Pt100, tolerances: 0.1 °C at 0 °C
higher sensor accuracy:
 1/10 DIN class B, for Pt100 sensors, tolerances: 0.03 °C at 0 °C
Handling fee for custom-made products

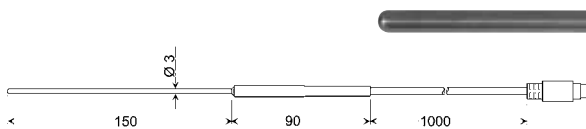
GTF 401
 Item No. 600377
 Immersion sensor for liquids/gases
 -50 .. + 400 °C, DIN class B

GTF 401 DIN class AA
 Item No. 600378
 Immersion sensor for liquids/gases
 -50 .. + 400 °C, DIN class AA (± 0.1 °C at 0 °C)



corrosion-resistant V4A pipe Ø 3 mm, plastic handle, anti-kink screw connection, approx. 1 m 4-pole PVC cable, 4-pole Mini DIN connector
Response time T₉₀: Water 0.4 m/s approx. 10 s, air 2 m/s approx. 40 s

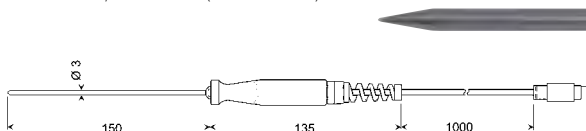
GTF 35
 Item No. 600391
 Immersion sensor for liquids/gases
 -50 .. + 400 °C, DIN class B



corrosion-resistant V4A pipe Ø 3 mm, shrink tubing, approx. 1 m 4-pole PVC cable, 4-pole Mini DIN connector
Response time T₉₀: Water 0.4 m/s approx. 10 s, air 2 m/s approx. 40 s

GES 401
 Item No. 600384
 Insertion sensor for soft plastic media
 -50 .. + 400 °C, DIN class B

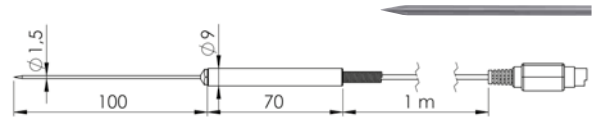
GES 401 DIN class AA
 Item No. 600385
 Insertion sensor for soft plastic media
 -50 .. + 400 °C, DIN class AA (± 0.1 °C at 0 °C)



V4A tube Ø 3 mm with needle-shaped penetration tip, plastic handle, anti-kink screw connection, approx. 1 m 4-pole PVC cable, 4-pole mini DIN connector
Response time T₉₀: Water 0.4 m/s approx. 10 s, air 2 m/s approx. 40 s

GES 20-P4 DIN class A
 Item No. 414061
 Core temperature/food probe, compact teflon handle -70..+250 °C, Pt100 class A

GES 20-P4 DIN class B
 Item No. 413543
 Core temperature/food probe, compact teflon handle -70..+250 °C, Pt100 class B

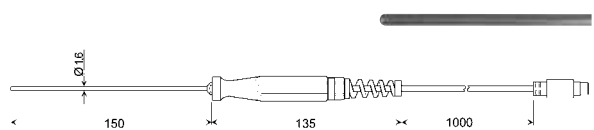


V4A tube with Ø 1.5 mm slim penetration tip, small teflon handle, stainless steel Anti-kink protection, 1 m teflon cable, 4-pole mini DIN connector
Response time T₉₀: Water 0.4 m/s < 1 s, air 2 m/s approx. 12 s

Advantages of the sheathed element Pt100:

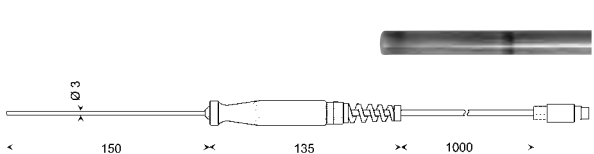
- high temperature resistance
- sheathed tube is bendable
- high shock resistance
- long lifetime

GTF 401 / 1.6
 Item No. 602066
 Immersion sensor with sheathed element Pt100 -50 .. + 400 °C, DIN class B



V4A sheathed element, bendable, Ø 1.6 mm, plastic handle, anti-kink screw connection, approx. 1 m 4-pole PVC cable, 4-pole mini DIN connector
Response time T₉₀: Water 0.4 m/s < 2 s, air 2 m/s approx. 25 s

GTF 401 1/10 DIN
 Item No. 600379
 Immersion sensor with sheathed element Pt100 -50 .. + 400 °C, recommended: 0 .. + 100 °C, 1/10 DIN class B (± 0.03 °C at 0 °C)



V4A sheathed element, bendable, Ø 3 mm, plastic handle, anti-kink screw connection, approx. 1 m 4-pole PVC cable, 4-pole mini DIN connector
Response time T₉₀: Water 0.4 m/s < 5 s, air 2 m/s approx. 60 s

IMPORTANT NOTE:
 ACCURACY DIN CLASS AA (1/3 DIN) ONLY IN THE RANGE 0 .. + 150 °C. ACCURACY 1/10 DIN ONLY IN THE RANGE 0 .. + 100 °C. IF THE TEMPERATURE SENSOR IS USED IN HIGHER MEASURING RANGES, THE ACCURACY IN THE VALIDITY RANGE CAN NO LONGER BE GUARANTEED; IN EXTREME CASES THE SENSOR MAY EVEN PERMANENTLY LOSE THE ACCURACY CLASS!