

SUITABLE PT1000 SENSORS (2-WIRE)

ACCURACIES PT1000:

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

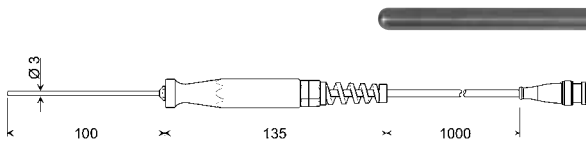
SURCHARGES FOR SPECIAL DESIGNS:
 (DESIGN-RELATED VARIATIONS ARE AVAILABLE)

longer sensor tube:
 surcharge per additional 100 mm or part thereof
longer sensor cable (PVC):
 surcharge per additional 1 m or part thereof
Spiral cable, approx. 1.5 m stretched PUR
other sensor cable material 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 Pt1000, 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
Handling fee for custom-made GF1T/GF2T/GF3T

All sensor designs are also available as Pt100 2- / 3- or 4-wire on request.
 We manufacture sensors according to your requirements and ideas at short notice and at a reasonable price. Please inquire.



GTF 175-BNC
 Item No. 607165
 Immersion sensor for liquids/gases
 -70 .. + 250 °C, Pt1000 class B



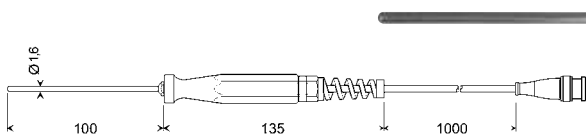
Corrosion-resistant V4A tube Ø 3 mm, plastic handle, anti-kink screw connection, 1 m highly flexible silicone cable, BNC plug
Response time T₉₀: Water 0.4 m/s <2 s, air 2 m/s approx. 40 s

Advantages of the sheathed element Pt1000:

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



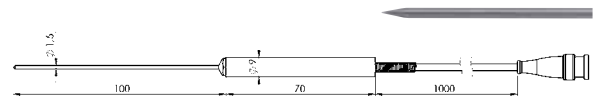
GTF 175/1.6-BNC
 Item No. 611323
 Immersion probe with sheathed element Pt100 -200 .. + 600 °C, DIN class B



V4A sheathed tube, bendable, Ø 1.6 mm, plastic handle, anti-kink screw connection, 1 m highly flexible silicone cable, BNC plug
Response time T₉₀: Water 0.4 m/s <2 s, air 2 m/s approx. 25 s



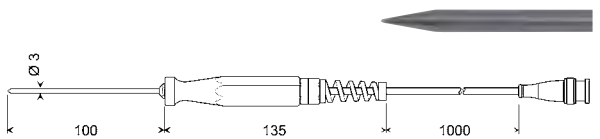
GES 20-TB-BNC
 Item No. 607377
 Core temperature / food probe, compact teflon handle
 -200 .. + 250 °C, Pt1000 class B



V4A tube with Ø 1.5 mm slim insertion tip, small teflon handle, stainless steel kink protection, 1 m teflon cable, BNC plug
Response time T₉₀: Water 0.4 m/s <1 s, air 2 m/s approx. 12 s



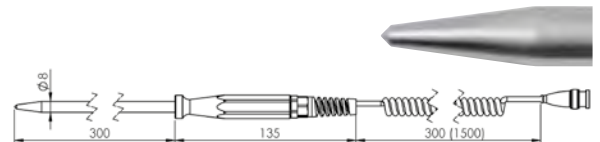
GES 175-BNC
 Item No. 611324
 Insertion probe for soft plastic media
 -70 .. + 250 °C, Pt1000 class B



V4A tube Ø 3 mm with needle-shaped insertion tip, plastic handle, anti-kink screw connection, 1 m highly flexible silicone cable, BNC plug
Response time T₉₀: Water 0.4 m/s <2 s, air 2 m/s approx. 40 s



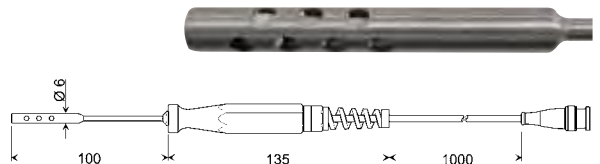
GES200-T-300-D8-L1.5PU
 Item No. 479239
 Robust insertion probe
 -50 .. + 250 °C, Pt1000 class B



Stainless steel tube Ø8 mm with insertion tip, plastic handle, anti-kink screw connection, spiral cable (approx. 1.5 m stretched), BNC plug, for use in soils, bulk goods, asphalt, etc.
Response time T₉₀: Water 0.4 m/s approx. 4 s



GLF 175-BNC
 Item No. 607162
 Air/gas sensors for clean media
 -70 .. + 250 °C, Pt1000 class B



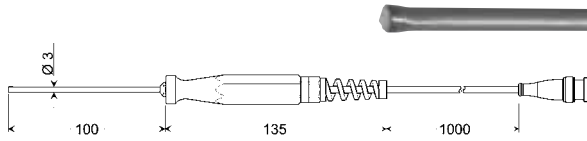
(use GTF175 for contaminated media), punched V4A protection tube, rapid response Pt1000 miniature sensor freely arranged behind it, thus high response speed, plastic handle, anti-kink fitting, 1 m highly flexible silicone cable, BNC plug
Response time T₉₀: Air 2 m/s approx. 15 s

SUITABLE PT1000 SENSOR (2-WIRE)

-70 °C
+250 °C

GOF 175-BNC

Item No. 607163
Surface probe for solid surfaces
-70 .. + 250 °C, Pt1000 class B

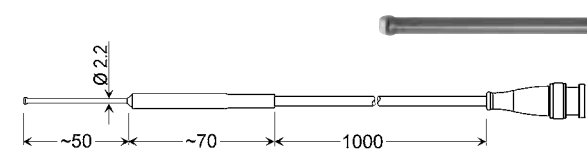


Front-side Pt1000 ceramic plate 2 x 2.3 mm, V4A sensor tube at the front 3 x 3 mm square, plastic handle, anti-kink screw connection, 1 m highly flexible silicone cable, BNC plug
Response time T_{90} : approx. 15 s

-70 °C
+120 °C

GOF 175 Mini-BNC

Item No. 610399
Surface probe for solid surfaces
-70 .. + 120 °C, Pt1000 class B

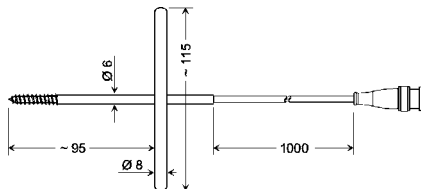


Pt1000 ceramic plate on the face, 2 x 2.3 mm, V4A tube \varnothing 2.2 mm, 1 m highly flexible silicone cable, BNC plug
Response time T_{90} : approx. 15 s

-70 °C
+250 °C

GGF 175-BNC

Item No. 610397
Probe for deep-frozen products
-70 .. + 250 °C, Pt1000 class B

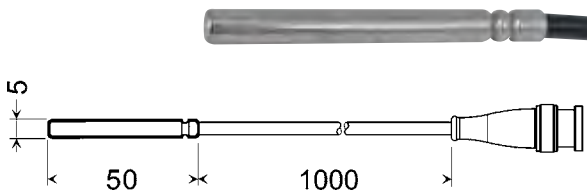


For screwing into frozen food, etc. without pre-drilling, V4A pipe \varnothing 6 mm with screw tip, 1 m highly flexible silicone cable, BNC plug
Response time T_{90} : approx. 15 s

-50 °C
+200 °C

GTF 2000-BNC

Item No. 607164
Air- / tube mounting probe
-50 .. + 200 °C, Pt1000 class B



V4A sensor sleeve \varnothing 5 mm, 1 m highly flexible silicone cable, BNC plug, every additional meter or part thereof surcharge: € 3.20
Response time T_{90} : Water 0.4 m/s < 10 s, air 2 m/s approx. 60 s

VARIANT:

GTF 2000-BNC-WD

Item No. 476007
Watertight design, sensor design as above, but cable made of PVC and sensor tube shrink-wrapped in a watertight manner. Max. 105 °C!



HIGHLIGHTS:

- Lightweight, handy handle with optimized ergonomics and flexible cable
- Water-resistant: can be completely submerged
- Temporary temperature resistance up to 250 °C

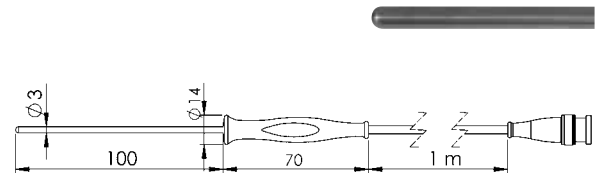
-70 °C
+250 °C

GF 1T-T3-B-BNC

Item No. 609549
compact Pt1000 handheld sensor with silicone handle
-70 .. + 250 °C, Pt1000 class B

GF 1T-T3-AA-BNC

Item No. 609550
compact Pt1000 handheld sensor with silicone handle
-70 .. + 250 °C, Pt1000 class B



Immersion tip \varnothing 3 mm made of V4A tube, black silicone handle -50 .. + 250 °C, 1 m silicone cable -50 .. + 230 °C permanent / +250 °C 2 h, probe tip and silicone handle IP67, BNC connector

Response time T_{90} : Water 0.4 m/s < 2 s, air 2 m/s approx. 40 s

VARIANTS:

GF 1T-T3-B-LE

Item No. 609547
Pt1000 handheld sensor, Pt1000 class B, with loose ends

GF 1T-T3-AA-LE

Item No. 609548
Precision Pt1000 handheld sensor, Pt1000 Kl. AA, with loose ends

-200 °C
+250 °C

GF 1T-T3-B-BNC-MB4

Item No. 611763
Pt1000 handheld sensor for low temperatures, -200 .. + 250 °C, Pt1000 class B

SUITABLE PT1000 SENSOR (2-WIRE)

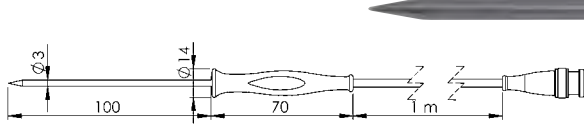
-70 °C
+250 °C

GF 1T-E3-B-BNC

Item No. 609639
Insertion sensor, Ø 3 mm, -70 .. + 250 °C, Pt1000 class B

GF 1T-E3-AA-BNC

Item No. 609640
Insertion sensor, Ø 3 mm, -70 .. + 250 °C, Pt1000 class AA



Insertion probe Ø 3 mm made of V4A tube, black silicone handle -50 .. + 250 °C, 1 m silicone cable -50 .. + 230 °C permanent / +250 °C 2 h, probe tip and silicone handle IP67, BNC plug

Response time T_{90} : Water 0.4 m/s < 2 s, air 2 m/s approx. 40 s

VARIANTS:

GF 1T-E3-B-LE

Item No. 609637
Pt1000 insertion probe, Pt1000 class B with loose ends

GF 1T-E3-AA-LE

Item No. 609638
Precision Pt1000 insertion probe Pt1000 class AA with loose ends

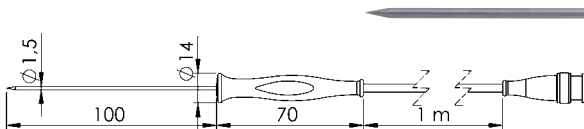
-70 °C
+250 °C

GF 1T-E1.5-B-BNC

Item No. 609645
extra thin insertion probe, Ø 1.5 mm, -70 .. + 250 °C, Pt1000 class B

GF 1T-E1.5-A-BNC

Item No. 609646
extra thin insertion probe, Ø 1.5 mm, -70 .. + 250 °C, Pt1000 class A



Insertion probe Ø 1.5 mm made of V4A tube, black silicone handle -50 .. + 250 °C, 1 m silicone cable -50 .. + 230 °C permanent / +250 °C 2 h, probe tip and silicone handle IP67, BNC plug

Response time T_{90} : Water 0.4 m/s < 1 s, air 2 m/s approx. 12 s

VARIANTS:

GF 1T-E1.5-B-LE

Item No. 609643
extra thin Pt1000 insertion probe, Pt1000 class B, with loose ends

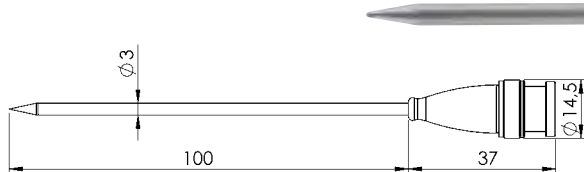
GF 1T-E1.5-A-LE

Item No. 609644
extra thin Pt1000 insertion probe, Pt1000 class A, with loose ends

-70 °C
+250 °C

GF 2T-E3-B-BNC

Item No. 609926
Pt1000 insertion probe, BNC plug, without cable -70 .. + 250 °C, Pt1000 class B



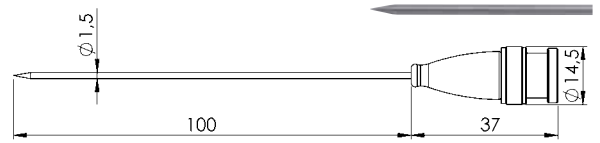
Insertion probe Ø 3 mm made of V4A tube, IP67 when plugged in, BNC plug with EPDM grommet up to +75 °C

Response time T_{90} : Water 0.4 m/s < 2 s, air 2 m/s approx. 40 s

-70 °C
+250 °C

GF 2T-E1.5-A-BNC

Item No. 609824
Pt1000 insertion probe, BNC plug, without cable, -70 .. + 250 °C, Pt1000 class A



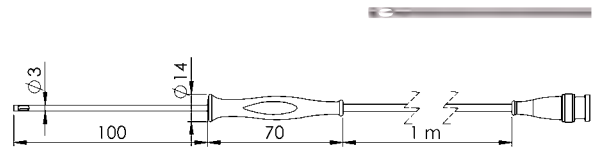
Insertion probe Ø 1.5 mm made of V4A tube, IP67 when plugged in, BNC plug with EPDM grommet up to +75 °C

Response time T_{90} : Water 0.4 m/s < 1 s, air 2 m/s approx. 12 s

-70 °C
+250 °C

GF 1T-L3-B-BNC

Item No. 611297
Pt1000 air probe for clean media, -70 .. + 250 °C, Pt1000 class B



(use GF 1T-T3 for dirty media), perforated V4A tube Ø 3 mm, quick-acting Pt1000 freely arranged, black silicone handle up to +250 °C, 1 m silicone cable up to +230 °C continuously / +250 °C 2 h, BNC connector

Response time T_{90} : Air 2 m/s approx. 15 s

VARIANTS:

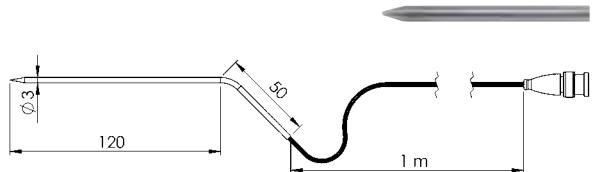
GF 1T-L3-B-LE

Item No. 611298
Pt1000 air probe, Pt1000 class B, with loose ends

-70 °C
+400 °C

GF 3T-E3-BNC

Item No. 611301
Grill probe up to max 400 °C, -70 .. + 400 °C, Pt1000 class B



insertion probe Ø 3 mm bent from V4A tube, 1 m glass-silk-insulated cable with stainless steel braiding up to +350 °C continuously / +400 °C 2 h, BNC plug

Response time T_{90} : Water 0.4 m/s approx. 10 s, air 2 m/s approx. 40 s

VARIANTS:

GF 3T-E3-B-LE

Item No. 611302
Pt1000 grill probe, Pt1000 class B, with loose ends