

Pt1000 Penetration probe without cable



- 1.5 mm or 3 mm diameter insertion tip
- 10 cm probe length
- Accuracy class DIN B/A/AA
- Direct connection to instruments with BNC
- Pt1000 probe for 2-wire instruments
- Water-protected according to IP67
- Very fast response time
- Made of durable V4A stainless steel

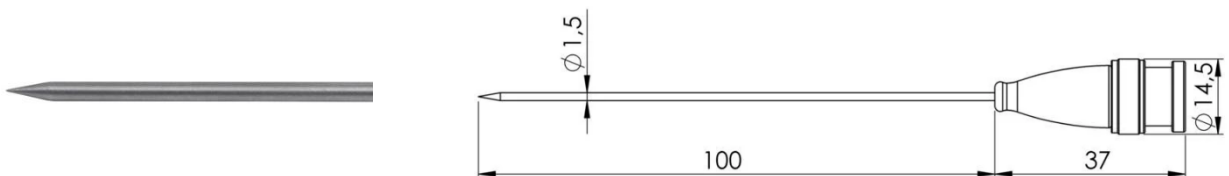
DESCRIPTION

The GF 2T is an IP67 waterproof insertion probe featuring a Pt1000 sensor element for 2-wire display units.

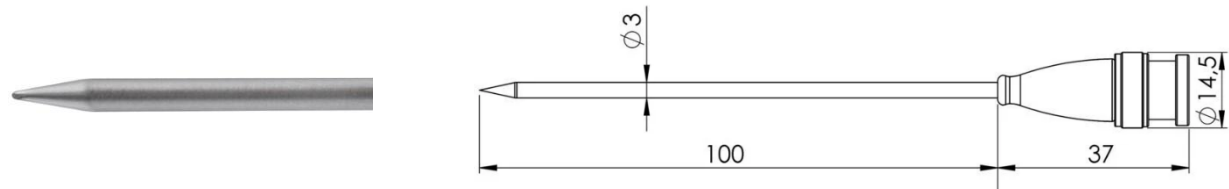
This fast and robust probe covers a wide measuring range, making it ideal for a variety of applications—from research and industry to kitchen and household use. The BNC connector allows the probe to be connected directly to the measuring device without the need for a cable.

The probe tip / probe shaft is available with diameters of 1.5 mm or 3 mm:

- Penetration probe Ø 1.5 mm, BNC connector:



- Penetration probe Ø 3 mm, BNC connector:



TECHNICAL SPECIFICATION

Sensor element	Pt1000, 2-wire, thin-film sensor
Measuring range	-70 ... +250 °C
Probe shaft	Ø 1.5 mm or Ø 3 mm each made of V4A tubing (high-alloy, stainless steel)
Accuracy	Class B/A/AAA
Response time (T ₉₀)	Ø 1.5 mm: Water 0.4 m/s < 1 s, Air 2 m/s approx. 12 s Ø 3 mm: Water 0.4 m/s < 2 s, Air 2 m/s approx. 40 s
Cable	Without cable
Connector	BNC-connector with EPDM sleeve up to +75 °C
Protection class	IP67 when plugged in
Dimensions	Length: probe = 100 mm, total = 137 mm Diameter: probe = 1.5 mm or 3 mm, maximum (connector) = 14.5 mm
Application	Penetration measurement

ORDERING CODE

Pt1000 Penetration probe without cable

GF2T - 1 - 2 - BNC

1	Probe diameter	
	E3	Ø 3 mm
	E1.5	Ø 1.5 mm
2	Accuracy	
	B	Class DIN B
	A	Class DIN A (only for Ø 1.5 mm)
	AA	Class DIN AA (only for Ø 3 mm)

STANDARD ARTICLES

GF 2T-E1.5-A-BNC	Pt1000 Penetration probe, 1.5 mm diameter, Class A, BNC-connector	Art. No. 609824
GF 2T-E1.5-B-BNC	Pt1000 Penetration probe, 1.5 mm diameter, Class B, BNC-connector	Art. No. 477842
GF 2T-E3-AA-BNC	Pt1000 Penetration probe, 3 mm diameter, Class AA, BNC-connector	Art. No. 483454
GF 2T-E3-B-BNC	Pt1000 Penetration probe, 3 mm diameter, Class B, BNC-connector	Art. No. 609926

SUITABLE INSTRUMENTS

ECO 120	Waterproof alarm thermometer for exchangeable BNC probes, Device in carton box incl batteries, Manual, test protocol, without probe	Art. No. 486749
PRO 595	Multi-parameter handheld device with data logger, Device in carton box incl batteries, Manual, USB-cable, without probe	Art. No. 488748