

GF 1T-L3



Pt1000 air / gas probe

- Compact, pen-type handle with high operating temperature up to 250 °C
- Open construction: Fast and mechanically protected
- Miniaturized to Ø3 mm: fast reaction
- Pt1000 platinum probe for 2-wire instruments (e.g. ECO 120)

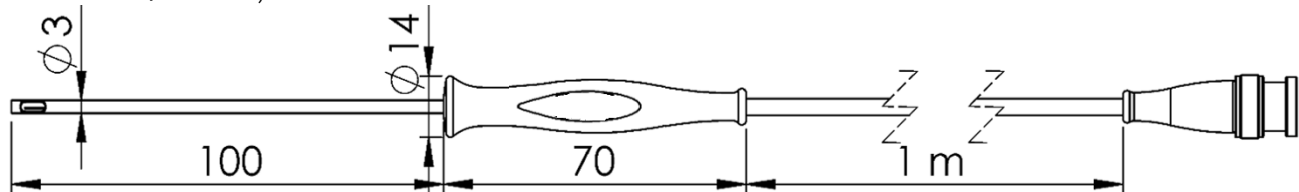


DESCRIPTION

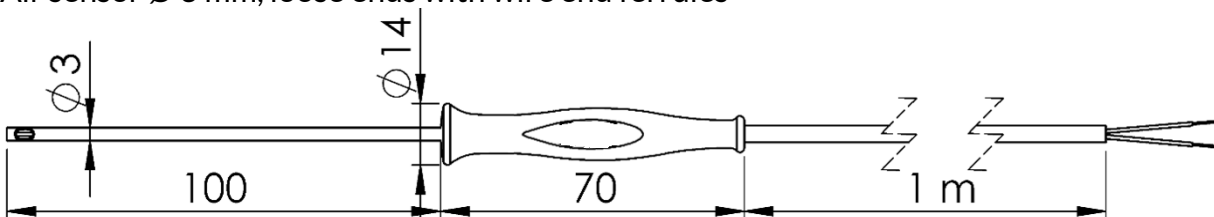
GF 1T Pt1000 – compact-handle-probe is designed for use in gases, liquids and soft materials. The probe is made of stainless steel, which is suitable for continuous food contact. The cable is optionally terminated with BNC-connector (for ECO 120 thermometer), or loose ends. The compact pen type silicone-handle is high temperature resistant up to 250°C which makes it extremely versatile.

Mechanical design / dimensions:

Air sensor Ø 3 mm, BNC-connector



Air sensor Ø 3 mm, loose ends with wire end ferrules



TECHNICAL SPECIFICATION

Sensor element: Pt1000 2-wire
Measuring range: -70 ... +250 °C (probe tip)
Sensor sheath: AISI 316 (1.4404)
Handle: silicone (up to max. +250 °C)
Cable: 1 meter silicone, permanently up to +230 °C / short-term approx. 2 hours per application up to +250 °C),
other length on request
Connectors: BNC-connector / loose ends with wire end ferrules
Response time T_{90} : air 2 m/s approx. 15 s

Accuracy (derived from EN 60751):

Class	Tolerance values	Range of validity
B	$\pm 0.3\text{ °C} \pm 0.5\%$	-50 ... +250 °C
A	$\pm 0.15\text{ °C} \pm 0.2\%$	-30 ... +250 °C

Directives and standards:

The handle-probe confirm to following European Directives:

2011/65/EU RoHS

Applied harmonized standards:

EN IEC 63000:2018

STANDARD ARTICLES

GF1T-L3-B-BNC Pt1000 gas/air probe Ø3 mm, cl. B, BNC plug art.no. 611297
others available on request

NOTES



To avoid electrical shock, do not use this probe when voltages exceeding 24 V ac rms or 60 V dc are present. The probe tip is electrically connected to the output terminals.