

GF 1TK-L3



Type-K air / gas probe

- High temperature up to 400°C
- Compact, pen-type handle with high operating temperature up to 250 °C
- Open construction: Fast and mechanically protected
- Miniaturized to Ø3 mm: fast reaction
- Type K probe for thermocouple instruments (e.g. ECO 130, PRO131)



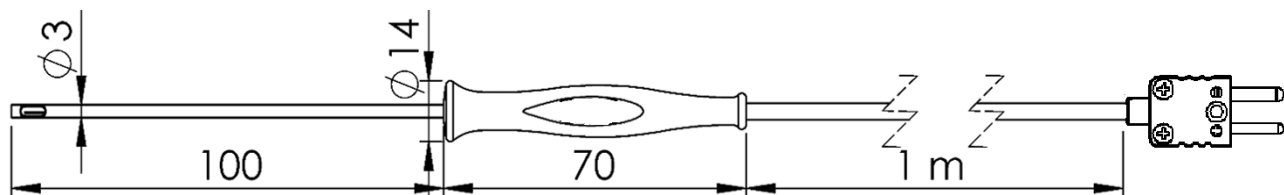
DESCRIPTION

GF 1TK type K – compact-gas-probe is designed for use in gases. The probe is made of stainless steel, which is suitable for continuous food contact.

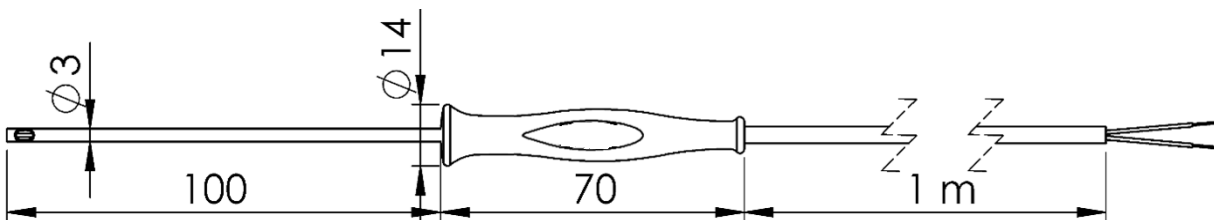
The cable is optionally terminated with BNC-connector (for ECO 120 thermometer), or loose ends. The compact pen type silicone-handle is high temperature resistant up to 250°C which makes it extremely versatile.

Mechanical design / dimensions:

Air sensor Ø 3 mm, miniature flat pin-connector



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



TECHNICAL SPECIFICATION

Sensor element:	Type K
Measuring range:	-65 ... +400 °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:	miniature flat plug / loose ends with wire end ferrules
Response time T ₉₀ :	at air 2 m/s approx. 15 s

Accuracy (derived from DIN EN 60584-1:2014-07)

class	Tolerance values	Temperature range of validity
1	$\pm 1.5 \text{ °C}$ or $0.004 \times t $	-40 ... +400 °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

GF1TK-L3 Type K gas/air probe Ø3 mm, miniature flat pin plug art.no. 611299

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.