

Type K surface probe family for fast checks up to +400 °C

GOF 400

Introduction

Fast surface measurements depend on immediate thermal contact. This Type K surface probe family is built for the quickest temperature checks on surfaces, using a thermocouple spring band that responds in approx. 2 s T90.

The -65 ... +400 °C measuring range covers a wide range of routine and demanding surface applications. A Class 1 NiCr-Ni sensor element supports dependable Type K measurement quality, while the Ø6 mm probe design and plastic handle with bend protection screw connection are made for practical handheld use.

Two probe geometries help match the measuring point. GOF 400 VE uses a straight probe tube with 100 mm standard length or 270 mm length, while GOF 400 HO uses an angled design with 127 mm length. Both versions are available with miniature flat plug or loose ends with ferrules, with 1 m silicone cable as standard or a spiral cable of approx. 1.2 m when extended.



Fast contact readings

Approx. 2 s T90 response time supports quick surface temperature checks.



Class 1 accuracy

Type K NiCr-Ni element provides Class 1 accuracy across the family.



Straight or angled

Choose straight or angled probe geometry for different access points.



Connection choice

Available with mini flat plug or loose ends with ferrules.

GOF 400 VE

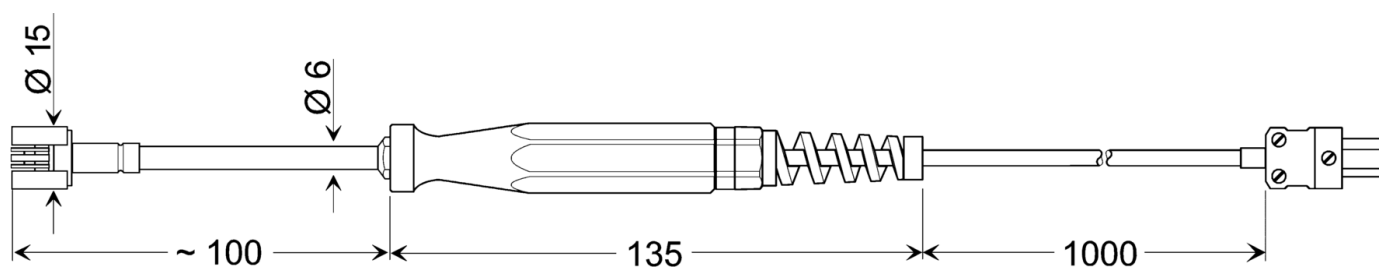
Technical Specifications

Measurement

Measuring principle	Thermocouples
Temperature sensor	Type K, Class 1
Temperature range	-65...+400 °C
Response time (T90)	Approx. 2 s

Probe

Cable	Silicone or Coiled Cable
Connection	Miniature flat pin plug or loose ends with wire end ferrules
Probe Diameter	6 mm
Handle	Plastic handle, kink-resistant screw connection, L = 135
Probe length	100 mm (standard) or 270 mm
Type	Surface probe



GOF 400 VE dimensions in mm

GOF 400 HO

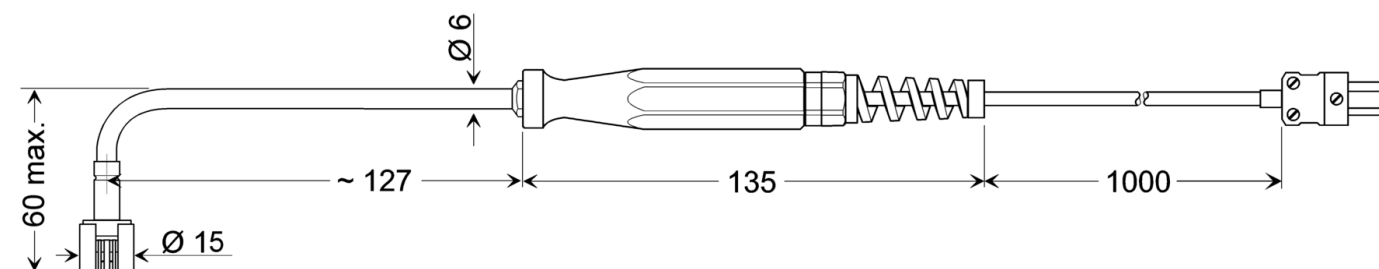
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GOF 400 HO dimensions in mm

Features

Type K sensor element

The probes use a Type K NiCr-Ni sensor element for surface temperature measurement.

Thermocouple spring band

The measuring tip is designed with a thermocouple spring band for fast surface contact measurement.

Probe geometries

The family includes a straight probe tube version and an angled version for different handling positions.

Probe dimensions

Both versions use an Ø6 mm probe diameter. The straight version is available in 100 mm or 270 mm length; the angled version has 127 mm length.

Cable variants

The standard version uses a 1 m silicone cable. Other silicone cable lengths and a spiral cable of approx. 1.2 m when extended are available.