

**Type K surface probe for flat solid surfaces up to
+500 °C**

GOF 130 CU

Introduction

Straight, solid surfaces need a contact probe that sits cleanly on the measuring point. This Type K surface probe uses a spring-loaded Cu plate to support stable contact on flat surfaces of different kinds, making it a practical choice for surface temperature checks in service, maintenance and production tasks.

The probe measures from -65 ... +500 °C and uses a Class 1 NiCr-Ni sensor element for dependable Type K readings. Its Ø4 mm Cu plate reacts quickly to the surface, with an approx. 5 s T90 response time, while the Ø3 mm probe design keeps the contact area compact.

Different versions help match the probe to the measuring setup. The standard configuration has a 130 mm probe length, hexagonal plastic handle with bend protection screw connection, 1 m silicone cable and miniature flat plug. Versions without handle, with loose ends and ferrules, other silicone cable lengths, and a spiral cable of approx. 1.2 m when extended are also available.



Flat surface contact

Spring-loaded Ø4 mm Cu plate supports contact on straight, solid surfaces.



Class 1 accuracy

Type K NiCr-Ni element provides Class 1 accuracy for surface checks.



Quick readings

Approx. 5 s T90 response time helps reduce waiting time during checks.



Connection choice

Available with mini flat plug or loose ends with ferrules.

Technical Specifications

Measurement

Measuring principle	Thermocouples
Temperature sensor	Type K, Class 1
Temperature range TC K	-65...+500 °C
Response Time (T90)	Approx. 5 s

Probe

Connection	Miniature flat pin plug or loose ends with wire end ferrules
Probe Diameter	3 mm
Handle	Hexagonal with kink protection fitting or without handle
Probe length	Standard: 130 mm (other lengths available)
Probe Tip Diameter	4 mm
Type	Surface probe
Cable	Silicone (various lengths, standard: 1 m) or coiled cable (1.2 m stretched)

Features

Type K sensor element

The probe uses a Type K NiCr-Ni sensor element with Class 1 accuracy for surface temperature measurement.

Cu plate measuring tip

The measuring tip is formed by a spring-loaded Cu plate with Ø4 mm contact diameter.

Probe construction

The probe has an Ø3 mm diameter. The standard probe length is 130 mm, with further lengths available.

Handle variants

Versions are available with a hexagonal plastic handle and bend protection screw connection or without a probe handle.

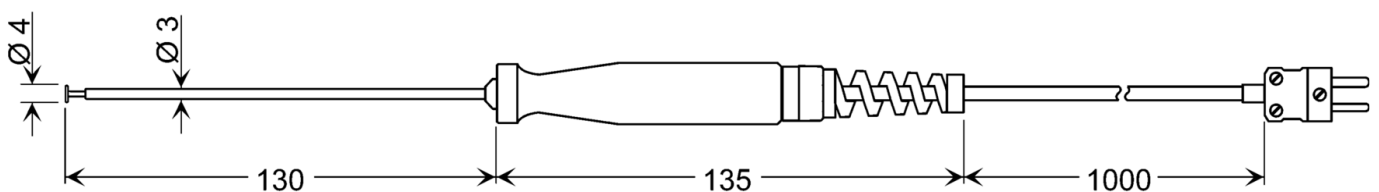
Cable variants

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

Cable temperature range

The silicone cable is specified for -50 ... +200 °C.

Details



Dimensions in mm