

Type K surface probe for solid surfaces up to +900 °C

## GOF 130

### Introduction

Stable surface contact matters when temperatures change quickly or the contact point is difficult to reach. This Type K surface probe is made for solid surfaces of any kind and uses two laser-welded, spring-loaded NiCr-Ni spiral springs to support consistent contact during measurement.

The -65 ... +900 °C measuring range and Class 1 accuracy give users a dependable basis for demanding surface temperature checks. The Ø8 mm V4A tube provides a robust mechanical design for daily use, while an approx. 5 s T90 response time helps capture surface temperatures without long waiting times.

The family is flexible for different handheld and system connections. Versions are available with a hexagonal handle with bend protection screw connection, without probe handle, with miniature flat plug, or with loose ends and ferrules. The standard version has a 130 mm probe length and 1 m silicone cable; further probe and cable lengths, as well as a spiral cable version, are available.

### Features

#### Type K sensor element

The probe uses a Type K NiCr-Ni sensor element for surface temperature measurement on solid materials.

#### Spring contact design

Two laser-welded spiral springs form the contact area for measuring fixed surfaces of different kinds.

#### Probe construction

The probe uses an Ø8 mm V4A tube and is available with a standard probe length of 130 mm or other lengths.

#### Handle variants

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

#### 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.



#### Secure contact

Two spring-loaded NiCr-Ni spiral springs support contact on solid surfaces.



#### Class 1 accuracy

Supports dependable Type K surface checks to Class 1 accuracy.



#### Quick readings

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



#### Flexible connection

Available with mini flat plug or loose ends with ferrules.

## Technical Specifications

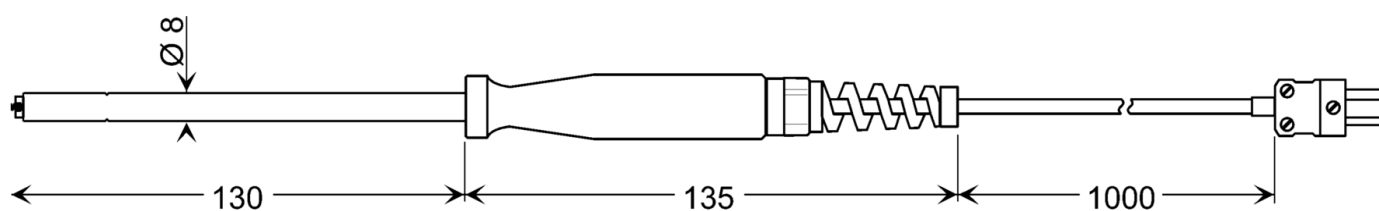
### Measurement

|                        |                 |
|------------------------|-----------------|
| Measuring principle    | Thermocouples   |
| Temperature sensor     | Type K, Class 1 |
| Temperature range TC K | -65...+900 °C   |
| Response Time (T90)    | Approx. 5 s     |

### Probe

|                |                                                                             |
|----------------|-----------------------------------------------------------------------------|
| Connection     | Miniature flat pin plug or loose ends with wire end ferrules                |
| Probe Diameter | 8 mm                                                                        |
| Handle         | Hexagonal with kink protection fitting or without handle                    |
| Probe length   | Standard: 130 mm (other lengths available)                                  |
| Material       | AISI 316 stainless steel (V4A)                                              |
| Type           | Surface probe                                                               |
| Cable          | Silicone (various lengths, standard: 1 m) or coiled cable (1.2 m stretched) |

### Details



Dimensions in mm