

Type K cable lug probe for screw-mounted surface temperature measurement

GKF 250

Introduction

Surface temperature checks become more dependable when the probe is fixed directly to the measuring point. This cable lug probe mounts to surfaces with a suitable screw, with standard M4 support, giving stable contact for Type K temperature measurement from -50 ... +250 °C.

Fast feedback helps when processes need quick confirmation. The direct fixed mount supports a T90 response time of approximately 10 s, while the Class 1 Type K (NiCr-Ni) sensor element provides a clear accuracy basis. A 1 m Teflon cable and the choice of mini flat connector or loose ends with ferrules make the probe practical for portable instruments, test setups and surface monitoring tasks.

Features

Cable lug design

The probe is built for direct screw mounting on surfaces, using a suitable screw such as standard M4.

Thermocouple element

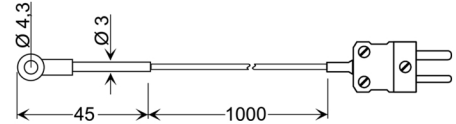
The sensor uses a Type K (NiCr-Ni) thermocouple element for contact temperature measurement.

Cable assembly

The probe includes a 1 m Teflon cable for connection between the measuring point and the instrument.

Connection versions

Connection is available as a mini flat connector or as loose ends with ferrules.



Fast surface readings

Direct fixed mounting gives a T90 response time of approximately 10 s.



Secure contact

The cable lug fixes directly to surfaces with a suitable screw, standard M4.



Wide temperature use

Type K measurement covers surface temperatures from -50 ... +250 °C.



Connection choice

Available with mini flat connector or loose ends with ferrules.

Technical Specifications

Measurement

Measuring principle	Thermocouples
Temperature sensor	Type K, Class 1
Temperature range	-50...+250 °C
Response time (T90)	Approx. 10 s

Probe

Cable	1 m PTFE
Connection	Miniature flat pin plug or loose ends with wire ferrules
Probe length	45 mm
Type	surface probe

Available product variants

Ordercode	Description	Article No.
GKF250-LE-01	GKF 250-LE-01: Loose ends, 1 m - Cable lug probe for screw-mounted surface temperature measurement with Type K (NiCr-Ni), -50 ... +250 °C range, Class 1 accuracy, 1 m Teflon cable and mini flat connector or loose ends.	482347
GKF250-01	GKF 250-01: Miniature flat plug, 1 m - Cable lug probe for screw-mounted surface temperature measurement with Type K (NiCr-Ni), -50 ... +250 °C range, Class 1 accuracy, 1 m Teflon cable and mini flat connector or loose ends.	600141