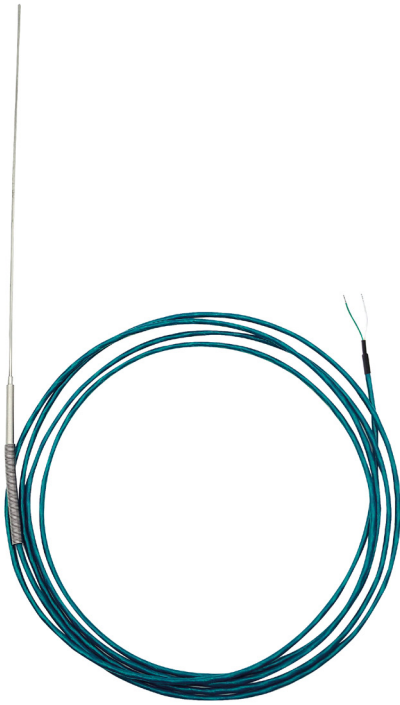


DATA SHEET

SFKI

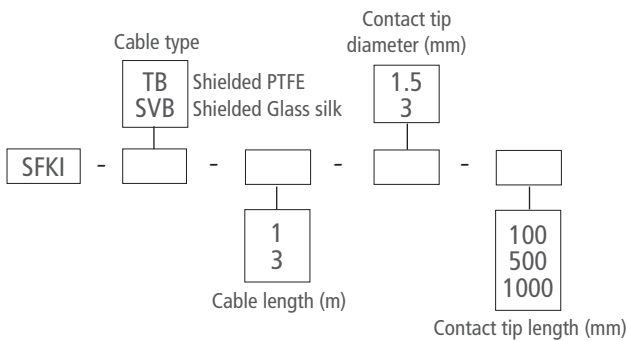
K Thermocouple temperature probe with deformable sleeved contact tip with cable



Laboratory or on-site calibration options available

Part number

To order, just add the codes to complete the part number.



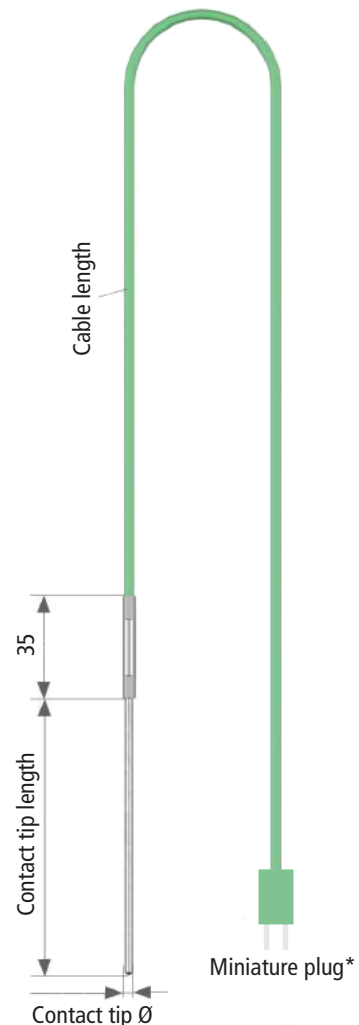
Example: SFKI-TB-1-3-100
 Model: K Thermocouple temperature probe, shielded PTFE 1 m length cable.
 Ø 3 mm Inconel® contact tip, 100 mm length.
 Measuring range from -200 to +1150 °C.

Technical specifications

| | |
|--|---|
| Measuring range | From -200 to +1150 °C |
| Type of sensor | K Thermocouple class 1 |
| Accuracy | See "Tolerances" table on page 2 |
| Type of welding | Ungrounded hot junction |
| Pot seal mounting | Ø5 mm, 35 mm length, non-detachable, with shielded PTFE or shielded Glass silk. Shielded PTFE cable maximum temperature: 260 °C Shielded Glass silk cable maximum temperature: 400 °C |
| Response time* T ₆₃ | Depends on the probe diameter. Example for a Ø 2 mm probe: 8 seconds |
| Contact tip | Inconel® 600 |
| Storage temperature | From -20°C to +80 °C |
| Operating temperature (according to cable) | Shielded PTFE: from -50 to +260 °C Shielded Glass silk: from -50 to +400 °C |

*Response time carried out in a heated bath.

Probes dimensions (mm)



Miniature plug*

*Connector as option

Thermocouple probes tolerances as per IEC 60584-1 standard

| Thermocouple | Measuring range class 1 | Tolerance |
|--------------|-------------------------|--|
| K | From -40 to +1000°C | From -40 to +375 °C: ± 1.5 °C From +375 to +1000 °C: $\pm 0.004 \times T^{\circ}\text{abs}$ |

Accessories (see specific data sheet)

- 2-pin connectors (round or flat)
- Cable clamp for plug or socket connector