

AX 131



Precision Analog

Type K Temperature probe



- Interchangeable
- Fast and accurate
- Ergonomic handle with high operating temperature up to 120 °C
- Robust for many years of professional use
- Easy to clean
- Water-protected according to IP67
- Optional DAkkS certification available

DESCRIPTION

AX 131 are precision analog type K thermocouple temperature probes.

The probes are designed for use in gases, liquids and soft materials.

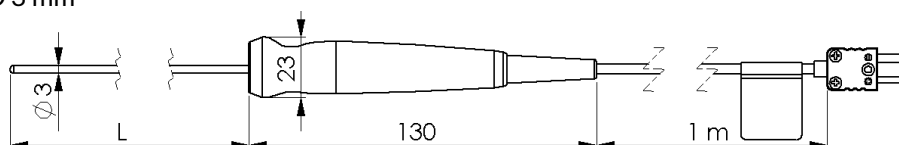
Stem material is corrosion and temperature resistant stainless steel.

The standard 1 meter thermo cable is optionally terminated with miniature flat plug or loose ends.

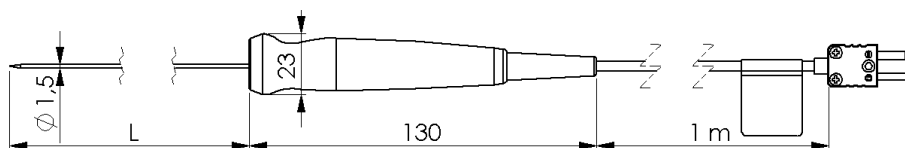
The probe can be optionally supplied with a DAkkS-/Accredia calibration certificates when combined to a suitable display instrument (e.g. PRO 131).

Sensor	Type K
Measuring range	Immersion, insertion: -40 ... +550 °C, AX 131-S15 surface: -40 ... +400 °C AX 131-S8 surface: -40 ... +900 °C
Accuracy	Class 1
Response time (T ₉₀)	Ø 3 mm: water 0.4 m/s < 2 s, air 2 m/s approx. 40 s Ø 3 mm mineral insulated water 0.4 m/s < 5 s
Output	Type K
Cable	1 m silicone coated thermocouple cable (up to +200 °C)
Connection	miniature flat plug
Dimensions	Stem: Ø 3 mm, L = 130 mm (other lengths on request) Stem surface: Ø 8 mm or Ø 15 mm, L = 100 mm Cable: Ø 4 mm, L = 1 m
Weight	110 g approx. with 1 m cable
Stem Material	AISI 316
Handle Materials	Polyamide (PA6-GF30), grommet Santoprene (up to +120 °C)
Protection degree	IP67
Applications	Immersion, insertion, surface

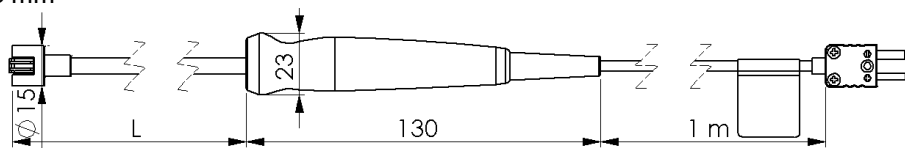
Immersion probe Ø 3 mm



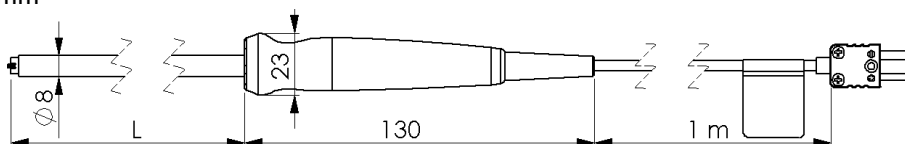
Insertion probe Ø 1.5 mm



Surface probe Ø 15 mm



Surface probe Ø 8 mm



ORDERING CODES

AX131 - 1. -- 2. -- 3.

1.	Stem construction	
	D3	Ø3 mm Immersion
	D1.5	Ø1.5 mm Immersion
	I3	Ø3 mm Insertion
	I1.5	Ø1.5 mm Insertion
	S15	Ø15 surface, -40 ... +400 °C
	S8	Ø8 surface, -40 ... +900 °C
2.	Cable length	
	-L01	1 meter
	-XXX	Other length on request
3.	Cable material	
	-S	silicone thermocouple cable
	-XXX	Other on request

STANDARD ARTICLES

AX 131-I3-L01-S	Analog type K insertion probe, stem Ø3 x 130 mm, cable length 1 m, miniature flat plug	Art.No. 486829
AX131-I1.5-L01-S-MF	Analog type K insertion probe, stem Ø1.5 x 130 mm, cable length 1 m, miniature flat plug	Art.No. 486828
AX131-S15-HS-L01-S	Analog type K surface probe with spring band, head straight Ø15 mm, stem length 100 mm, cable length 1 m, miniature flat plug	Art.No. 486854
AX131-S8-HS-L01-S	Analog type K surface probe with coil spring, ceramic head straight Ø8 mm, stem length 130 mm, cable length 1 m, miniature flat plug	Art.No. 486856

SUITABLE INSTRUMENTS

PRO 131	2-channel handheld temperature meter for thermocouple probes. Supplied with 4 x AA alkaline batteries.	Art.No. 486119
PRO 135	2-channel handheld temperature meter/data logger for thermocouple probes. Supplied with 4 AA alkaline batteries, USB cable and software downloadable from Senseca website.	Art.No. 486118