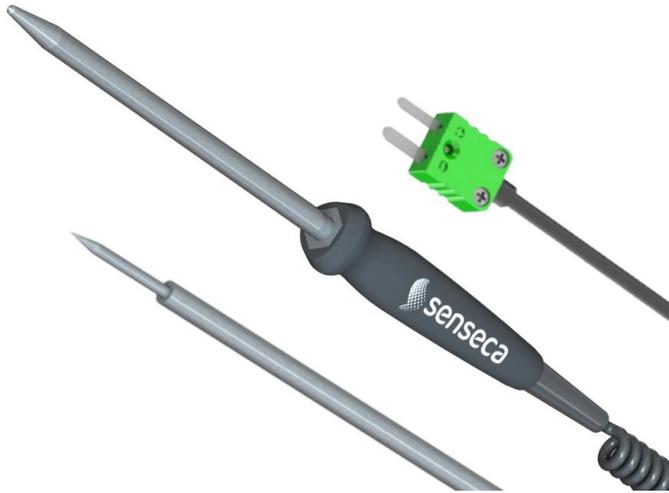


AX 131-I36 / I8 / I6



Type K specialized insertion probes



- rigid stainless steel construction for long life in professional use
- for special applications in construction and agriculture
- ergonomic handle with high operating temperature up to 120 °C
- easy to clean
- water-protected according to IP67

DESCRIPTION

AX 131-I36 / I8 / I6 are precision analog type K thermocouple temperature probes. The insertion probes are designed for demanding field applications.

Applications include measurements in liquid asphalt (AX131-I36-200), in bulk goods (pellets, wood chips, compost), in bagged goods (grain etc.) and bales (lightly compressed hay or straw bales). For applications in heavily compressed bales, please use T-handle probes: GSF 40 TK with Ø 10 mm tube diameter.

Stem material is corrosion and temperature resistant stainless steel, which is suitable for continuous food contact. The probe tip and tube dimensions represent a balanced solution between the requirements for response speed and robustness.

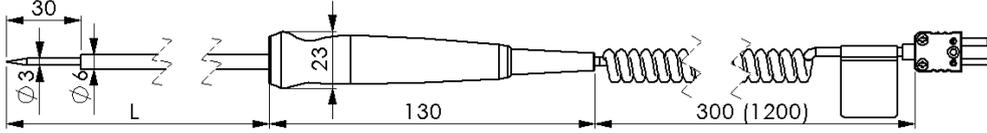
The standard 1 meter thermocouple cable is optionally terminated with miniature flat plug or loose ends.

All probes are based on class 1 material, which is the highest available precision class for thermocouples.

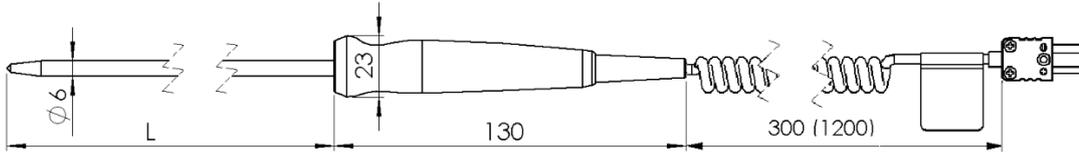
The probe can be optionally supplied with a DAkKS-/ACCREDIA calibration certificates when combined to a suitable display instrument (e.g. PRO 131/ 135).

Sensor	Type K
Measuring range	AX 131-I36: -40 ... +550 °C AX 131-I6: -40 ... +250 °C AX 131-I8: -40 ... +250 °C
Thermocouple	Type K: Nickel-chromium / nickel-aluminum, IEC 60584-1
Accuracy	Class 1: ±1.5°C or 0.40% across measuring range
Response time (T ₉₀)	AX 131-I36: Ø 3 mm: Water 0.4 m/s < 2 s, gas 2 m/s ca. 40 s AX 131-I6: Water 0.4 m/s ca. 3 s AX 131-I8: Water 0.4 m/s ca. 4 s
Cable	1 m silicone coated thermocouple cable (up to +200 °C) or coiled cable 300 mm stretchable to 1.2 m
Connection	miniature flat plug or loose ends
Dimensions	Sensor tube Ø 6 mm reduced down to Ø 3 mm or Ø 8 mm Probe length: please refer to ordering codes
Stem Material	AISI 316
Handle Materials	Polyamide (PA6-GF30), grommet Santoprene (up to +120 °C)
Protection degree	IP67
Applications	Immersion, insertion

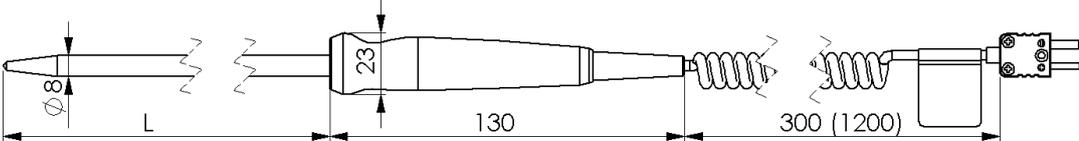
Bulk material/asphalt penetration sensor Ø 3/6 mm (here with cable CC12)



Robust insertion probe Ø 6 mm (here with cable CC12)



Robust insertion probe Ø 8 mm (here with cable CC12)



ORDERING CODE

Type K Immersion/Insertion Probes

AX131 - 1 - 2 - 3 - 4

1	Diameter stem	
	I36	Ø 6 mm reduced down to Ø 3 mm
	I6	Ø 6 mm
	I8	Ø 8 mm
2	Probe length	
	200	200 mm, standard for I36
	300	300 mm
	1000	1000 mm
3	Cable type & length	
	L01-S	1 meter Silicon cable
	LXX-S	Other on request
	CC12	Coiled cable approx. 1.2 m stretched
4	Connection	
	MF	Miniature-Flat Pin plug
	LE	Loose ends with ferrules

STANDARD ARTICLES

- AX131-I6-1000- CC12-MF** Type K special insertion probe, large handle, probe tube: Ø 6 mm, probe length 1000 mm, cable 2 m, miniature flat plug, -40 ... +250 °C
Art.no. 489852
- AX131-I8-300- CC12-MF** Type K special insertion probe, large handle, probe tube: Ø 8 mm, probe length 300 mm, coiled cable approx. 1.2 m stretched, miniature flat plug, -40 ... +250 °C
Art.no. 487901
- AX131-I36-200- CC12-MF** Type K special insertion probe, large handle, Ø 6 mm, reduced tip Ø 3 mm, probe length 200 mm, coiled cable approx. 1.2 m stretched, miniature flat plug, -40 ... +550 °C
Art.no. 487900
- AX131-I36-300- CC12-MF** Type K special insertion probe, large handle, Ø 6 mm, reduced tip Ø 3 mm, probe length 300 mm, coiled cable approx. 1.2 m stretched, miniature flat plug, -40 ... +550 °C
Art.no. 487899

ACCESSORIES

VKA-L002 Extension cable, type K, 2 m silicone thermo-line with miniature flat-pin plug and -socket **Art no. 602910**

SUITABLE INSTRUMENTS

PRO 131.2 2-channel handheld temperature meter for thermocouple probes, graphic display.
Device in carton box incl batteries, QuickStart, test protocol, without temperature probe
Art no. 486119

PRO 135.2 2-channel handheld temperature meter/data logger for thermocouple probes, graphic display.
Device in carton box incl batteries, QuickStart, test protocol, USB cable, without temperature probe.
Free Software ProXware downloadable from Senseca website
Art no. 486118

ECO 130 Type K thermocouple quick response thermometer (formerly G 1200).
Device in carton box incl batteries, Manual, test protocol, without probe
Art no. 486708

ECO 130.2 Type K quick response 2-channel-alarm-thermometer (formerly G 1202).
Device in carton box incl batteries, Manual, test protocol, without probe
Art no. 486732