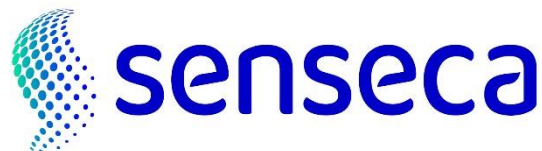
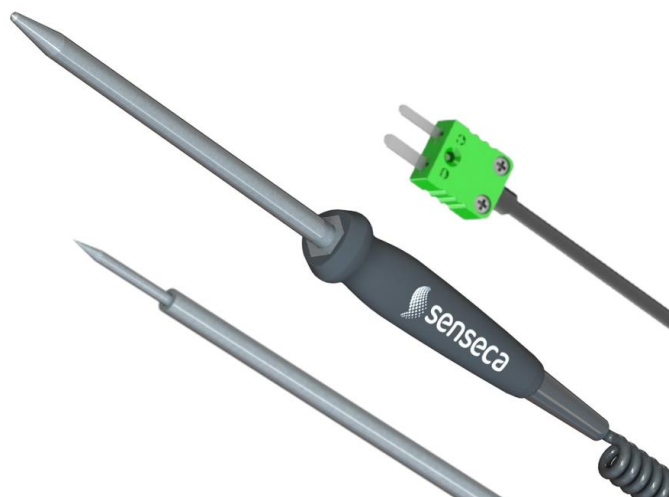


# AX 131-I36 / I8



## 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 are precision analog type K thermocouple temperature probes. The Immersion and 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 goods, please use T-handle probes: GSF 40 T 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.

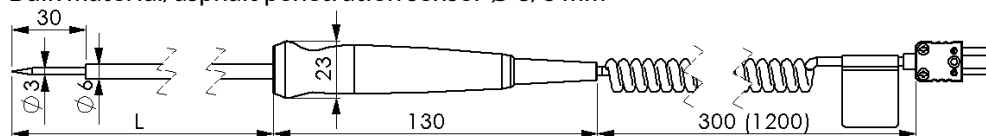
The standard 1 meter thermocouple cable is optionally terminated with miniature flat plug or loose ends.

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

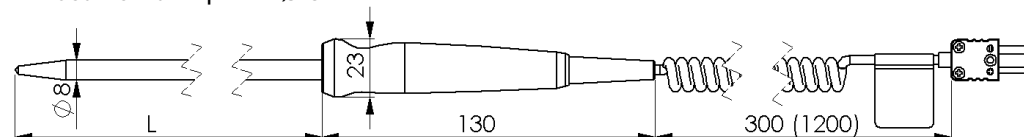
The probe can be optionally supplied with a DAkkS-/ACCREDIA calibration certificates when combined to a suitable display instrument (e.g. PRO 131/ 135).

Sensor	Type K
Measuring range	AX 131-I36: -40 ... +550 °C AX 131-I8: -40 ... +250 °C
Thermocouple	Typ K: Nickel-chromium / nickel-aluminum, IEC 60584-1
Accuracy	Class 1: ±1.5°C or 0.40% across measuring range
Response time (T <sub>90</sub> )	AX 131-I36: Ø 3 mm: Wasser 0.4 m/s < 2 s, Luft 2 m/s ca. 40 s AX 131-I8: Wasser 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



Robust insertion probe Ø 8 mm



## 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
	I8	Ø 8 mm
2	Probe length	
	200	200 mm, standard for I36
	300	300 mm, standard for I36 and I8
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-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	<b>Art.no. 487901</b>
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	<b>Art.no. 487900</b>
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	<b>Art.no. 487899</b>

## ACCESSORIES

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

## SUITABLE INSTRUMENTS

<b>PRO 131.2</b>	2-channel handheld temperature meter for thermocouple probes, graphic display. Device in carton box incl batteries, QuickStart, test protocol, without temperature probe	<b>Art no. 486119</b>
<b>PRO 135.2</b>	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	<b>Art no. 486118</b>
<b>ECO 130</b>	Type K thermocouple quick response thermometer (formerly G 1200). Device in carton box incl batteries, Manual, test protocol, without probe	<b>Art no. 486708</b>
<b>ECO 130.2</b>	Type K quick response 2-channel-alarm-thermometer (formerly G 1202). Device in carton box incl batteries, Manual, test protocol, without probe	<b>Art no. 486732</b>