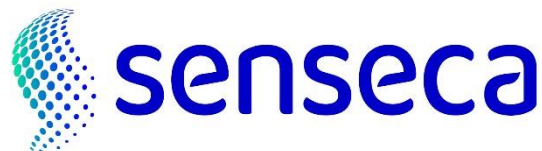


# AX 131-G



## Analog Type K Gas-Probes



- Accurate: Class 1 thermoelement
- Ergonomic handle with high operating temperature up to 120 °C
- Robust for many years of professional use
- Compact construction: Ø3 mm
- Fast

### DESCRIPTION

AX 131-G are fast and precise type K thermocouple air/gas temperature probes.

They are optimized for fast ambient air and exhaust gas temperature measurements.

The compact design achieves the best possible response time and allows measurement even in inaccessible places.

The sensor tube is made of rustproof and temperature-resistant stainless steel.

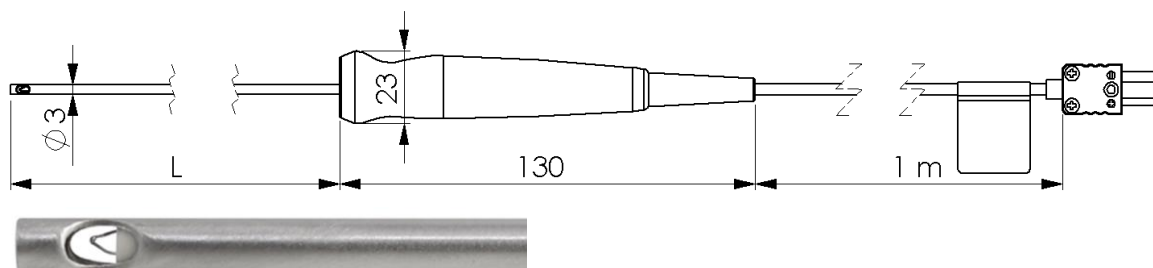
The thermocouple cable is terminated with miniature flat plug or comes optionally with loose ends.

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

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

Sensor	Type K
Thermocouple	Type K: Nickel-chromium / nickel-aluminum, IEC 60584-1
Measuring range	AX 131-G3: -40 ... +400 °C
Accuracy	Class 1: $\pm 1.5^{\circ}\text{C}$ or 0.40% across measuring range (valid range -40 ... +400 °C)
Response time ( $T_{90,}$ )	Air at 2 m/s ca. 15 s
Cable	1 or 2 m silicone coated thermocouple cable (up to +200 °C) or coiled cable 300 mm stretchable to 1.2 m
Connection	miniature flat plug or lose ends
Dimensions stem	Ø 3 mm, standard length L = 180 mm (other lengths on request)
Insulation	Stem is potential free, protection against contact with thermocouple by tube
Weight	AX 131-G3 ca. 55g, (coiled cable + 6 g)
Stem Material	AISI 316
Handle Materials	Polyamide (PA6-GF30), grommet Santoprene (up to +120 °C)

### AX131- G3 Ø 3 mm



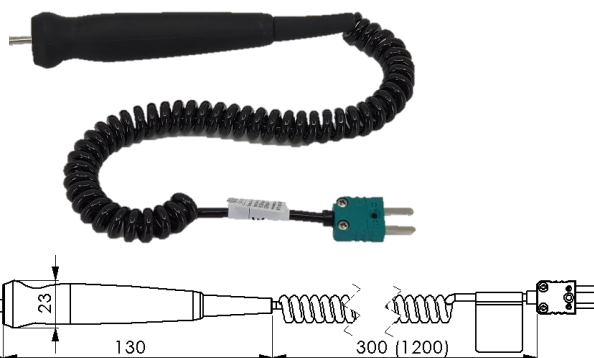
Others on request

## CABLE VARIANTS

Standard cable Lxx-S



Optional coiled cable approx. 1.2 m stretched CC12



## ORDERING CODES

AX131 - 1 - 2 - 3 - 4

Type K Surface Probes

1	Variant	
	G3	Gas probe Ø 3 mm
2	Probe stem	
	00	Ø 3 mm, length 180 mm
	SLxx	Other lengths on request xx in [mm]
3	Cable type & length	
	L01-S	1 m silicon cable
	L02-S	2 m silicon cable
	Lxx-S	other length 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-G3-00-L01-S-MF**      Type K gas probe Ø 3 mm, probe tube length 180 mm, 1 m silicon cable, miniature flat plug      **Art no. 488452**

**AX131-G3-CC12-MF**      Type K gas probe Ø 3 mm, probe tube length 180mm, coiled cable, stretchable to 1.2 m, miniature flat plug      **Art no. 488451**

## 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>