

Clamp-on probe type K, -65 ... +150 °C



- Robust construction for long-term, professional use
- For professional applications like heating engineering
- Type K thermocouple

DESCRIPTION

The GTZ 300 is a type K clamp-on temperature probe.

Designed for demanding field use, the clamp-on probe can be used on pipes with a diameter of up to 30 mm.

It can be used to take measurements on pipes in heating technology (e.g. heat pumps), sanitary engineering, refrigeration technology and air conditioning technology.

The clamp is suitable for constant contact with cold or warm pipes at temperatures of up to 150 °C.

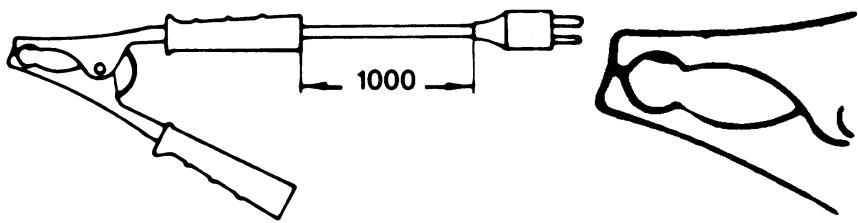
The dimensions and design of the clamp tips strike a balance between response speed and robustness.

The standard one-meter thermocouple cable can be terminated with a miniature flat plug or left with loose ends.

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

When used with a suitable display device (e.g. ECO 130.2 or PRO 131.2/135.2), two clamp sensors can conveniently measure the temperature difference between two pipes (e.g. flow/return temperature).

Sensor	Type K
Measuring range	-65 ... +150 °C
Thermocouple	Type K: Nickel-chromium / nickel-aluminum, IEC 60584-1
Accuracy	Class 1: $\pm 1.5^\circ\text{C}$ or 0.40% across measuring range
Response time (T_{90})	ca. 3 s
Cable	\varnothing 4 mm silicon cable (up to +200 °C), L = 1 m (Standard)
Connection	miniature flat plug or loose ends
Dimensions	L = 170 mm Maximum clamping diameter 30 mm
Applications	surface temperature



ORDERING CODE

Clamp-on probe type K, class 1

GTZ 300 - **1** - **2**

1	Cable type & length	
		1 m silicon cable
	L03	3 m silicon cable
2	Connection	
	MF	Miniature-flat pin plug
	LE	Loose ends with ferrules

STANDARD ARTICLES

GTZ 300	Clamp-on probe type K, -65 ... +150 °C	Art no. 603287
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SUITABLE INSTRUMENTS

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
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
PRO 921	Mulitfunctional instrument for DX - digital sensors with type K inputs Device in carton box incl batteries, Quickstart, without probes	Art no. 488743
PRO 925	Mulitfunctional instrument/data logger for DX - digital sensors with type K inputs Device in carton box incl batteries, Quickstart, USB cable, without probes Free Software ProXware downloadable from Senseca website	Art no. 488744