

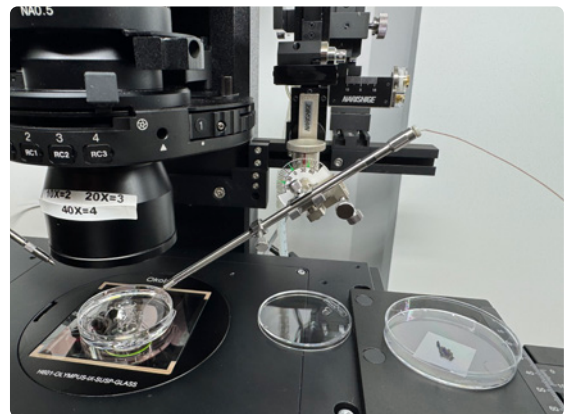
KT106

K-Type Droplet Probe

KT106 offers a novel opportunity to measure temperature in small volumes hard to reach. Using a state-of-the-art PT100 microsensor, it is now possible to measure temperature inside a medium droplet as small as 25 μ L. The measuring head being only 800 μ m will contribute minimally to disturb measurement and dissipation is also minimised, making it ideal for droplet measurements.

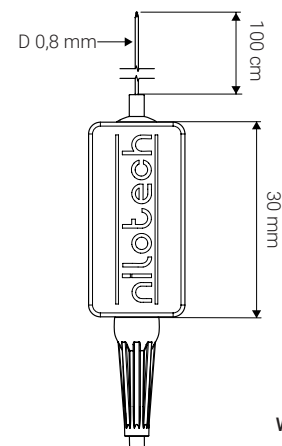
Application & Technology

The KT106 - K-Type Droplet Probe is particularly well suited for measuring temperature in very small volumes. With a measuring range of -25 to 250 Celsius and a relatively long (100cm) Teflon cable this probe is highly versatile, providing for a wide range of applications. Laws of thermodynamics dictate, that the smaller the volume the higher the exposure and sensitivity to changes in the environment. We therefore recommend to always aim for the most stable surroundings, and if measuring in an Air flow cabinet to insulate the sensor tip. When performing droplet measurements, although any given measurement may be accurate, precision will be almost always be compromised. Accordingly, repeated measurements will provide a more realistic representation of reality.



Specifications

Sensor type	K-Type Thermocouple Sensor
Measuring range	(-25 to 250) °C
Accuracy	±0,1 °C
Display resolution and update	0,01 °C, 1 per second
T90 (min:sec)	0:20
Compliance	ANSI:MC96.1, ISO/EN61010-1 • RoHS • CE with NiloChecker 500
Operating conditions	(0 to 50) °C / (5 to 95)% RH
Cable	1,2 m PVC cable and 1 m x 0,8mm TEFLON with exposed hot junction
IP Class	IP50
Calibration	Delivered with factory calibration certificate Accuracy ± 0,1 °C in the range (0 to 50) °C KT106 can be calibrated in accordance with ISO/IEC 17025 Calibration requires an adaptor. Part no: 115s001



Weight: 60g



Ordering info Part no: 120s006 - KT106 K-Type Droplet Probe

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Document

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