

DT112/-122
Digital Temperature Probe

Maintaining the correct temperature within incubators is indeed vital for cell viability and development. Typically, incubators are set to 37 °C to mimic the body's conditions and promote optimal cell growth. The use of a flat temperature probe is an excellent method to monitor these conditions accurately. The copper bottom of the probe is a thoughtful design feature, ensuring efficient thermal contact with various surfaces, which is essential for reliable temperature readings and, consequently, for the health of the cell cultures.

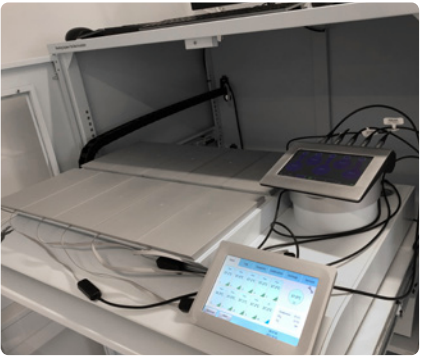
This probe is available as both single and dual sensor head.

Functions & Technology

Temperature Probe

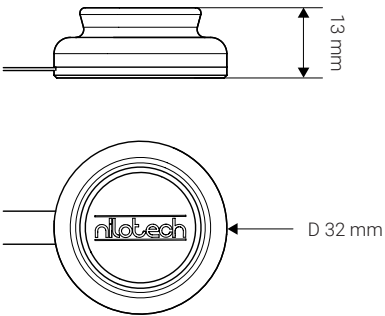
This unique surface-temperature probe is ideal for controlling and calibration incubators and heating surfaces.

The design of these sensors, featuring a conductive copper base and an insulating top, ensures maximum thermal contact and accuracy. Moreover, the factory calibration of each sensor, along with the option for a third-party accredited calibration certificate, guarantees reliability.



Specifications

Sensor type	Digital temperature sensor
Measure range & accuracy	-20 - 50 °C/0,03 °C accuracy possible
Display resolution and update	0,01 °C, one update per second
T90 (min:sec)	1:45
Compliance	ISO/EN61010-1 • RoHS • CE with NiloChecker 500
Operating conditions	Medical grade sensor - ISO 80601-2-56
Cable length	0 - 50 °C/5 - 95% RH
Materials	1,7 m (including 0,5 m flat cable)
IP Class	Housing: ABS, Copper.
Calibration	Cable: TPE (Flat part), PVC (Round part)
	IP50
	Delivered with factory calibration certificate. Accuracy ±0,1 °C
	Can be calibrated in accordance with ISO/IEC 17025
	Calibration requires adaptor. Part no: 115s001



Ordering info

Part no: 112s001 - DT112 Digital Temperature Probe (Delivered with factory calibration certificate)
Part no: 122s001 - DT122 Dual Digital Temperature Probe (Delivered with factory calibration certificate)
Part no: 800s011AC - Accredited calibration of DT probe in 2 points
Part no: 800s010 - Factory calibration of DT probe in 2 points

Nilotech ApS

Knudstrupvej 14 - DK-4270 Hoeng, Denmark
+45 35 95 32 96 - contact@nilotech.eu - www.nilotech.eu

Document

112d001_10/2025

