



## 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 deliberate 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.

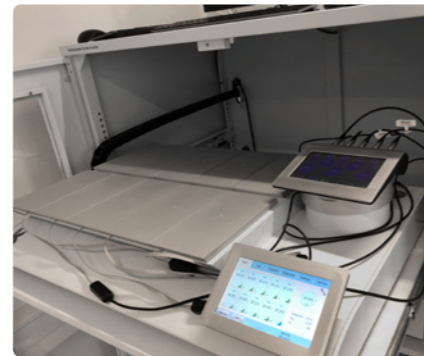
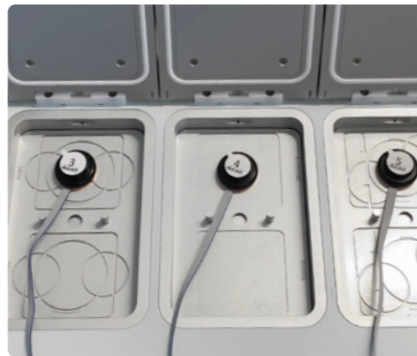
This probe is available as both single and dual sensor head.

### Application & Technology

#### Temperature probe

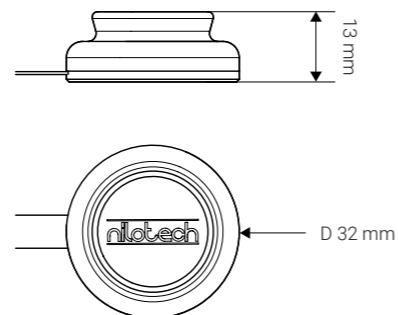
This unique surface-temperature probe is ideal for controlling and calibrating incubators and actively heated surfaces.

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

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



Weight: N/A



#### 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: 800s010** - Factory calibration of DT probe in 2 points  
**Part no: 800s011AC** - Accredited calibration of DT probe in 2 points

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#### Document

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