nilotech

PT120

Platinum 1mm flexible temperature probe

Our new Platinum based temperature sensor PT120 is a slim 1 mm diameter and 15 mm long precision sensor connected via a thin and flexible cable. Due to the small mass of the sensor tip, this probe has a noticeably short reaction time.
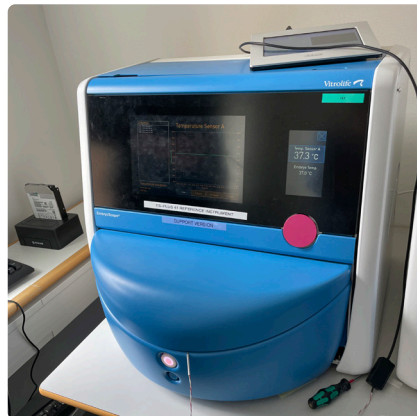
Functions & Technology

Ideal temperature probe for narrow openings down to 1 mm in diameter.
The industry standard PT-100 sensor is precise and stable over a wide temperature range.
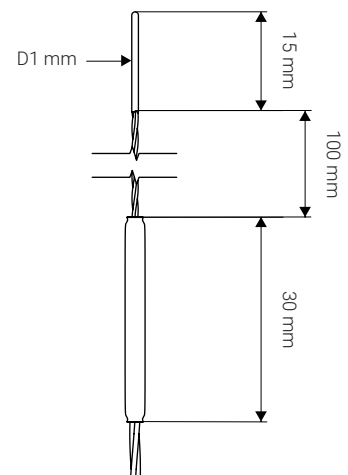
PT120 is also particularly useful for controlling heated stages inside dishes and other sensitive heated devices. The probe can be placed on any surface, such as metal, glass, plastic etc.
The probe can also be useful to measure liquids provided that it is placed inside a water-tight pouch.

Specifications

Sensor type	Analog PT-100 temperature sensor (3 wire)
Measure range & accuracy	-50-50°C / 0,03°C accuracy possible.
Display resolution and update	0,01 °C, one update per second
T90 (min:sec)	0:25
Compliance	ISO/EN61010-1 - RoHS
Operating conditions	0-50°C / 5-95% RH
Cable lenght	1,7m (including 0,5m flat cable)
Materials	Flexible FR-4, Epoxy.
IP Class	IP50
Calibration	Delivered with factory calibration certificate. Accuracy +/- 0,1°C
	PT120 can be calibrated in accordance with ISO/IEC 17025.
	Calibration requires an adaptor. Part no: 115s001.

D1 mm

15 mm

100 mm

30 mm

Ordering info

Part no: 120s002 - PT120 Platinum 1mm flexible temperature probe
Part no: 800s002 - Accredited calibration of 1 temperature sensor