

Temperature probe with aluminium sleeve (NTC)

Temperature probe with aluminium sleeve for measurements in liquids, pastes and air.



Technical data

Temperature - NTC

Measuring range	-30 to +90 °C
Accuracy	±0.5 °C (Remaining Range) ±0.2 °C (0 to +70 °C)
Reaction time	$t_{90} = 12 \text{ s}$

General technical data

Cable length	2.4 m
Diameter probe shaft	6 mm
Length probe shaft	40 mm
Protection class	IP65
Fixed cable	yes
Product-/housing material	Plastic
Product colour	Black; white; silver

The temperature probe with aluminium sleeve and flat tip is suitable for measurements in liquids and pastes as well as for air temperature measurements. Thanks to its NTC sensor element, the probe provides precise temperature measurements with an accuracy of up to ±0.2 °C.

The temperature probe features a 2.4 m cable.

For long-term measurements, you can mount the temperature probe permanently at the measuring location. To do this you only need a clamp or PG gland (not included in delivery).

The temperature probe is waterproof in accordance with protection class IP 65. Consequently, measurements can be taken outdoors for example.

This probe's response time t_{99} (time it takes for the probe to register 99% of the jump in temperature) of 190 seconds refers to measurements in moving water at +60 °C. This response time is extended when, for example, measurements are taken in still liquid, pastes or air.*

Delivery Scope:

1 x NTC temperature probe 0628 7503, for the testo Saveris 2-T2 Wi-Fi data logger

NTC temperature probe with 2.4 m cable, can be installed at the measuring location for long-term measurements

Very precise temperature measurements

Watertight in accordance with protection class IP65

The perfect probe for any application

Don't see the temperature probe you are looking for? Please contact us directly. We have a large range of standard temperature probes and we also manufacture customized probes specifically according to your personal requirements

*For air temperature measurements, the response time is about 40 - 60 times higher than the indicated value measured in water. If you should require a rather sluggish temperature probe to measure air temperature, this probe is particularly suitable because it does not take brief temperature peaks into account at all, or only to a very small degree, when measuring temperature. For example, if you are planning to use this probe to measure air temperature in the refrigerator, briefly opening the refrigerator door would not take into account the temperature fluctuation which results from mixing the warm room temperature with the refrigerator temperature.

If you need an air temperature probe with a fast response time, your best choice would be the exceptionally fast temperature probe 0602 0493 which has a large measuring range.