Mini data-logger mod. 174T

for temperature with sensor for external probe



Technical features

The 175 T2 temperature data logger has an internal sensor and a connection for an external temperature probe. This means it is ideally suited for use when you do not just want to record the indoor air temperature, but also want to carry out another temperature check (e.g. a core temperature spot check).

This is practical when storing and processing food, amongst other things: measure the ambient conditions of your goods in storage areas and cold stores and at the same time check the temperature level of the goods themselves - for example with a penetration probe (optional). Temperature control in the gaps in the packages is also possible. The measurement results from both channels are securely stored in your temperature data logger.

State-of-the-art measuring technology, high level of data security

The temperature probe, which is securely fitted into the data logger, is an NTC sensor with a high level of measuring accuracy (±0.5 °C). The internal temperature probe's measuring range goes from -35 °C to +55 °C. This means the temperature data logger can also easily be used in cold stores or deep-freeze rooms.

The accuracy and measuring range of the NTC probe, which is an optional attachment, depend on the probe model selected. For example, measurements in higher temperature ranges (up to +120 °C) are also possible with the appropriate temperature probe.

You can read the current measuring values, min./max. values, set limit values, violations of limit values and remaining battery life on the temperature data logger's clear display. This means you can check the most important data at any time, without having to read out the temperature data logger on the PC. Less frequent read-out of the data logger is also required for shorter measuring cycles. This is due to its large memory for up to 1 million readings and the battery life of up to 3 years. Users can replace the standard batteries (AAA) themselves at any time.

You can rely on a high level of data security when using the testo 175 T2 temperature data logger. Saved measurement data will not be lost even when the battery is empty or being replaced.

Programming and analysis with the temperature data logger

You need software for programming and reading your temperature data logger and analyzing measurement data on the PC. We offer three different software versions for you to choose from:

- **ComSoft Basic software** - available as a free download - enables fast programming of the data logger and easy measurement data analysis
- **ComSoft Professional software** - available as an option - offers a variety of possibilities for detailed analysis of measurement results
- **ComSoft CFR 21 Part 11 software** - available as an option - can be used for special requirements according to CFR 21 Part 11 in the pharmaceutical sector

Tested and certified for use in the food sector

- Tested according to EN 12830 (testing by the TÜV SÜd [German Technical Safety Standards Authority] ATP test station)

- HACCP-compliant and international HACCP certification
- Water spray and jet protection according to protection class IP 65: this means the temperature data logger can stay in the measuring location, even when the warehouses, cold stores, etc. are being cleaned

Delivery Scope

175 T2 temperature data logger with internal temperature probe (NTC) and external sensor connection (for NTC probe), including wall bracket, lock, batteries and calibration protocol.

Caution: A USB cable is needed to programme the data logger and this is not included in the scope of delivery. You can however place an additional order for this. You can also transfer measurement data to the PC using the USB cable or an SD card (available as an option).

Optional Accessories

	Codice	Descrizione
	T86131712	NTC probe for air
	T84490047	USB connection cable

Technical data

Temperature - NTC	
Measuring range	-35 to +55 °C internal -40 to +120 °C external
Accuracy	internal: ±0.5 °C (-35 to +55 °C) ±1 Digit external: ±0.3 °C (-40 to +120 °C) ±1 Digit
Resolution	0.1 °C
General technical data	
Weight	130 g
Dimensions	89 x 53 x 27 mm
Operating temperature	-35 to +55 °C
Product-/housing material	Plastic
Protection class	IP65
Channels	1 internal; 1 external
Product colour	white
Standards	EU-guideline 2014/30/EU; 2011/65/EU; DIN EN 12830

General technical data	
Measuring rate	10 s - 24 h
Battery type	3 x AlMn type AAA or Energizer
Battery life	3 years (15 min. meas. rate, +25 °C)
Interface	mini usb, SD card slot

Code	Description
T85721752	Mini data-logger mod. 174T for temperature with sensor for external probe