



# Compact data logger with external probe socket

- External probes
- Display/Prints
- Battery: 2.5 years
- ABS casing
- 40 to +120°C
- 16,000 readings



With an additional external probe connection, the testo 175-T2 temperature data logger provides a further temperature measurement option.

The data logger is attached to the wall to monitor air temperature, for example, and the separate probe is placed by the goods. testo 175-T2 provides information on the connection between ambient and product temperature.



Simultaneous monitoring of product and air temperature e.g. in refrigerated rooms, during production, in containers etc.

- **Monitors 2 temperatures simultaneously**
- **Fast overview of current reading, last value saved, max/min values, number of times limits exceeded**
- **User-friendly operation, convenient analysis**

## testo 175-T2

### Internal °C + external °C

testo 175-T2, temperature data logger, 2 channels, with internal sensor and external probe socket, wall holder and calibration protocol

Part no. 0563 1755



Collects data on-site, downloads and analyses centrally on PC. The high-performance data collector reads out approx. 400 readings/s.

See pages 18 to 21 for system overview and data management.

## Suitable probes at a glance

Description	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Conn. Cable/Length	Part no.
Stub probe, IP 54		-20... +70 °C	±0.2 °C (-20... +40 °C) ±0.4 °C (+40.1... +70 °C)	15 s		0628 7510
Mounting probe with aluminium sleeve, IP 65		-30... +90 °C	±0.2 °C (0... +70 °C) ±0.5 °C (-30... +0.1 °C) ±0.5 °C (+70.1... +90 °C)	60 s	Fixed cable 2.4 m	0628 7503 *
Accurate imm./pen. probe, 6m cable, IP 67		-35... +80 °C	±0.2 °C (-25... +74.9 °C) ±0.4 °C (-35... +25.1 °C) ±0.4 °C (+75... +80 °C)	5 s	Fixed cable 6 m	0610 1725 *
Screw-in probes for measurements at hard-to-access points, M6 thread, IP 54		-50... +80 °C	±0.5% of mv (+100... +150 °C)	70 s	Fixed cable 2 m	0628 7514 *
Probe for surface measurement		-50... +80 °C	±0.2 °C (0... +70 °C)	150 s	Fixed cable 2 m	0628 7516 *
Wall surface temperature probe, e.g. to prove damage in building material		-50... +80 °C	±0.2 °C (0... +70 °C)	20 s	Fixed cable 3 m	0628 7507
Pipe probe with Velcro, for pipe diameter of max. 75 mm		-50... +70 °C	±0.2 °C (-25... +70 °C) ±0.4 °C (-50... +25.1 °C)		Fixed cable 1.5 m	0613 4611
Food probe (IP65) stainless steel, PUR cable can be used at up to +80°C, IP54 plug-in connection		-50... +150 °C <sup>2</sup>	±0.5% of mv (+100... +125 °C) ±0.2 °C (-25... +74.9 °C) ±0.4 °C (-50... +25.1 °C) ±0.4 °C (+75... +99.9 °C)	8 s	Fixed cable 1.5 m	0613 2211 *
Robust food penetration probe with special handle, IP 65, reinforced cable (PUR) and reinforced protection against buckling		-50... +150 °C <sup>2</sup>	±0.5% of mv (+100... +125 °C) ±0.2 °C (-25... +74.9 °C) ±0.4 °C (-50... +25.1 °C) ±0.4 °C (+75... +99.9 °C)	7 s	Fixed cable 1.4 m	0613 2411 *
Frozen food probe, corkscrew design		-50... +140 °C <sup>2</sup>	±0.5% of mv (+100... +140 °C) ±0.2 °C (-25... +74.9 °C) ±0.4 °C (-50... +25.1 °C) ±0.4 °C (+75... +99.9 °C)	20 s	Plug-in cable 1.5 m	0613 3211 *
Robust, affordable air probe to check storage temperatures		-50... +150 °C <sup>2</sup>	±0.5% of mv (+100... +150 °C) ±0.2 °C (-25... +74.9 °C) ±0.4 °C (-50... +25.1 °C) ±0.4 °C (+75... +99.9 °C)	60 s	Fixed cable 1.2 m	0613 1711 *

☑ The specified seal class of the data loggers is achieved with these probes.

\* Probe tested to EN 12830 for suitability in the transport and storage sectors

<sup>2</sup> Long-term measurement range +125 °C, short-term +150 °C or +140 °C (2 minutes)

## Practical accessories and recommended sets



Wall holder for fast attachment of logger to wall

### Included

Lock for wall holder

Part no. 0554 1755



testo 575 fast printer, incl. 1 roll of thermal paper and batteries

Part no. 0554 1775

### testo 175-T2, Starter Set



testo 175-T2, temperature data logger, 2 channels, with internal sensor and external probe socket, wall holder and calibration protocol

Lock for wall holder

Mounting probe with aluminium sleeve, IP 65

ComSoft 3 - Basic Set for testo 175, Basic software incl. interface, desk-top holder, PC connection cable



testo 580 data collector including readout holders

Part no. 0554 1778



ComSoft 3 - Basic Set for testo 175, Basic software with all of the important functions

Part no. 0554 1759

### testo 175-T2, Monitoring Set with External Probe



testo 175-T2, temperature data logger, 2 channels, with internal sensor and external probe socket, wall holder and calibration protocol

Lock for wall holder

Food probe (IP65) made of stainless steel

ComSoft 3 - Basic Set for testo 175, Basic software incl. interface, desk-top holder, PC connection cable

## Ordering data for Accessories

### Part no.

testo 575 fast printer, incl. 1 roll of thermal paper and batteries	0554 1775
Infrared thermal line printer with graphics function	
Spare thermal paper for printer (6 rolls)	0554 0569
Spare thermal paper for printer (6 rolls)	0554 0568
Measurement data documentation legible for up to 10 years	
Label thermal paper (Testo patent) for testo 575 printer (6 rolls), can be applied directly	0554 0561
testo 580 data collector including readout holders for testo 175/177 data loggers	0554 1778
ComSoft 3 - Basic Set for testo 175, Basic software	0554 1759
With diagram and table function, interface incl. desk-top holder, PC connection cable	
ComSoft 3 - Professional with data management	0554 0830
Incl. database, analysis and graphics function, data analysis, trend curve (without interface)	
Interface for testo 175/177 incl. desk-top holders, PC connection cable (please also order for ComSoft 3 - Professional)	0554 1757
Lock for wall holder for testo 175/177 data loggers	0554 1755
Battery, 3.6 V/1.9 Ah 1AA	0515 0177
Transport case for up to 5 testo 175 data loggers, testo 575 printer, testo 580 data collector and accessories	0516 1750
<b>ISO calibration certificate/Temperature</b>	0520 0151
Temperature data logger; calibration points -18°C; 0°C; +60°C per chan./instr.	
<b>DKD calibration certificate/Temperature</b>	0520 0261
Temperature data logger; cal. points -20°C; 0°C; +60°C; per chan./instr.	

## Technical data

<b>Chann. intern</b>	<b>1</b>	Memory	16000
Meas. range	-35... +70 °C	Oper. temp.	-35... +70 °C
Accuracy	±0.5 °C (-20... +70 °C) ±1 °C (-35... -20.1 °C)	Storage temp.	-40... +85 °C
Resolution	0.1 °C (-20... +70 °C) 0.3 °C (-35... -20.1 °C)	Battery type	Lithium battery
		Weight	84 g
		Dimensions	82x52x30 mm
		Warranty	2 years
<b>Chann. external (var.)</b>	<b>1</b>	Battery life: 2.5 years at measuring cycle of 15 min (-10 to +50°C)	
Meas. range	-40... +120 °C	Measuring cycle: 10 s to 24 h	
Accuracy	±0.3 °C (-25... +70 °C) ±0.5 °C (-40... -25.1 °C) ±0.5 °C (+70.1... +120 °C)	Software: Microsoft Windows 95b / 98 / ME / NT4-Sp4 / 2000 / XP	
Resolution	0.1 °C (-20... +70 °C) 0.3 °C (-40... -20.1 °C) 0.3 °C (+70.1... +120 °C)		