

testo 175-T2

Compact data logger with internal sensor and probe connection

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.

Temperature data logger, 2 channels, with internal sensor and external probe socket, wall holder and calibration protocol

Part no.
0563 1755

- ◆ Monitors 2 temperatures simultaneously
- ◆ Fast overview of the current reading, the value last saved, the max/min values, the number of limits exceeded
- ◆ User-friendly operation, convenient analysis
- ◆ Collect data on site, upload to PC and analyse
- ◆ Tamper-proof with wall holder and lock (optional)
- ◆ On site: Reset and reboot
- ◆ Remote connection via alarm modem



Actual size



Probes (NTC)	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
◆ Stub probe, IP 54		-20 to +70 °C	±0.2 °C (-20 to +40 °C) ±0.4 °C (+40.1 to +70 °C)	15 s	0628 7510
◆ Stationary probe with aluminium sleeve, IP 65		-30 to +90 °C	±0.2 °C (0 to +70 °C) ±0.5 °C (remaining range)	190 s	0628 7503*
Conn.: Fixed cable; Cable/length: 2.4 m					
◆ Refrigeration storeroom probe with aluminium sleeve, IP 54, with silicone insulated ribbon cable		-40 to +90 °C (Short-term to +105 °C)	±0.2 °C (0 to +70 °C) ±0.4 °C (-35 to 0 °C) ±0.5 °C (remaining range)	190 s	0628 0042*
◆ Accurate imm./pen. probe, 6m cable, IP 67		-35 to +80 °C	±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	5 s	0610 1725*
Conn.: Fixed cable; Cable/length: 6 m					
◆ Accurate immersion/penetration probe, cable: 1.5 m long, IP 67		-35 to +80 °C	±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	5 s	0628 0006*
Conn.: Fixed cable; Cable/length: 1.5 m					
◆ Screw-in probes for measurements at hard-to-access points, M6 thread, IP 54		-50 to +80 °C	±0.5% of mv	70 s	0628 7514*
Conn.: Fixed cable; Cable/length: 2 m					
Probe for surface measurement		-50 to +80 °C	±0.2 °C (0 to +70 °C)	150 s	0628 7516*
Conn.: Fixed cable; Cable/length: 2 m					
Wall surface temperature probe, e.g. to prove damage in building material		-50 to +80 °C	±0.2 °C (0 to +70 °C)	20 s	0628 7507
Conn.: Fixed cable; Cable/length: 3 m					
Pipe wrap probe with Velcro for pipe diameter to max. 75 mm, T max. +75 °C, NTC		-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)		0613 4611
Conn.: Fixed cable; Cable/length: 1.5 m					
◆ Stainless steel NTC food probe (IP65) with PUR cable		-50 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	8 s	0613 2211*
Conn.: Fixed cable; Cable/length: 1.5 m					
◆ Stainless steel NTC food probe (IP67) with Teflon cable to +250 °C		-50 to +150 °C	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	8 s	0613 3311
Conn.: Fixed cable					
◆ Robust NTC food penetration probe with special handle, reinforced PUR cable		-25 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	7 s	0613 2411*
Conn.: Fixed cable; Cable/length: 1.4 m					
◆ Frozen food probe NTC, for screwing in without pre-drilling (incl. plug-in wire)		-50 to +140 °C ²⁾	±0.5% of mv (+100 to +140 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	20 s	0613 3211*
Conn.: Plug-in cable					
◆ Waterproof NTC immersion/penetration probe		-50 to +150 °C	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	10 s	0613 1212
Conn.: Fixed cable					

◆ 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
2) Long-term measurement range +125 °C, short-term +150 °C or +140 °C (2 minutes)

testo 175-T2
Accessories / Technical data

Probes (NTC)	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
<ul style="list-style-type: none"> Efficient, robust NTC air probe 		-50 to +125 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	60 s	0613 1712
<ul style="list-style-type: none"> Waterproof NTC surface probe for flat surfaces 		-50 to +150 °C	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	35 s	0613 1912
<ul style="list-style-type: none"> Laboratory probe, glass-coated, resistant to corrosive substances, glass stem can be replaced 		-50 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	40 s 10 s*	0613 7011
<ul style="list-style-type: none"> Robust industrial penetration probe for compost, hay, silage and earth measurements 		-35 to +120 °C	To UNI curve	16 s	included in set, see below, order no. 0628 0134

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

2) Long-term measurement range +125°C, short-term +150°C or +140°C (2 minutes)
** without protective glass

Accessories	Part no.
Transport and Protection	
Transport case for up to 5 testo 175 data loggers, testo 575 printer, testo 580 data collector and accessories	0516 1750
Lock for wall holder for testo 175/177 data loggers	0554 1755
Additional accessories and spare parts	
Battery, 3.6 V/1.9 Ah 1AA, for testo 175-T1/175-T2 and all testo 177 loggers	0515 0177

testo 580 data collector set with RS232, readout holders included, for testo 175/177 data loggers	0554 1778
testo 580 data collector set with USB, readout holders included, for testo 175/177 data loggers	0554 1764
testo 581 alarm signal output, floating, for testo 175/177, forwards information efficiently when limits are exceeded to e.g. horns, lamps, PLC etc.	0554 1769

Printer and accessories	Part no.
Fast testo 575 printer, incl. 1 roll of thermal paper and batteries, infrared thermal line printer with graphics function	0554 1775
Spare thermal paper for printer (6 rolls)	0554 0569
Spare thermal paper for printer (6 rolls), measurement data documentation legible for up to 10 years	0554 0568
Label thermal paper (Testo patent) for testo 575 printer (6 rolls), can be applied directly	0554 0561

Software and accessories	Part no.
ComSoft 3 - Basic Set with RS232 interface for testo 175, basic software with diagram and table function, incl. desk-top holder, PC connection cable	0554 1759
ComSoft 3 - Basic Set with USB interface for testo 175, basic software with diagram and table function, incl. desk-top holders, PC connection cable	0554 1766
ComSoft 3 - Professional with data management, incl. database, analysis and graphics function, data analysis, trend curve	0554 0830
ComSoft 3 - For requirements to CFR 21 Part 11, incl. database, analysis and graphics function, data analysis, trend curve (w/o interface)	0554 0821
RS232 interface for testo 175/177 incl. desk-top holders, PC connection cable, (please also order for ComSoft 3 - Professional)	0554 1757
USB interface, for testo 175/177 incl. desk-top holders, PC conn. cable, (Please order with ComSoft 3 - Professional)	0554 1768
Ethernet adapter, RS232 - Ethernet incl. software driver, mains unit, facilitates data communication in network	0554 1711

Remote connection via GSM mobile radio, details page 75	Part no.
Alarm modem GSM, (without Testo measuring instrument and the necessary RS232 adapter)	0554 0522
Software Testo Alarm-Editor Professional AK20 (CD incl. instruction manual), for measuring instruments of the types testo 175/177/400/650/950/454	0554 0519
Software Testo Alarm-Editor Basic AK4 (CD incl. instruction manual), for measuring instruments of the types testo 175/177/400/650/950	0554 0518
Stick aerial, for screwing on to GSM-modem, bendable 2 ways	0554 0523
Magnetic foot aerial, with 3 m cable	0554 0524
Mains unit (rail mounting) 90 to 264V AC/24VDC (2.5A)	0554 1749
Mains unit	0554 1142
Serial interface cable (RS232), for initial parameterization of the alarm modem	0449 0051

Accessories	Part no.
Calibration certificates	
ISO calibration certificate/temperature, temp. data logger, calibration points - 18°C; 0°C; +60°C	0520 0151
DKD calibration certificate/temperature, temp. data logger; cal. points -20°C; 0°C; +60°C	0520 0261

Set	Part no.
testostor 175-2, temperature data logger, 2 channels, with internal sensor, robust industrial penetration probe 1.5 m, handles, protection case PP, battery	0628 0134

Recommended set
testo 175-T2, Starter Set
- Temperature data logger, 2 channels, with internal sensor and external probe socket, wall holder and calibration protocol (Part no. 0563 1755)
- Lock for wall holder for testo 175/177 data loggers (Part no. 0554 1755)
- Stationary probe with aluminium sleeve, IP 65 (Part no. 0628 7503)
- ComSoft 3 - Basic Set with USB interface for testo 175 (Part no. 0554 1766)

testo 175-T2, Monitoring Set with External Probe
- Temperature data logger, 2 channels, with internal sensor and external probe socket, wall holder and calibration protocol (Part no. 0563 1755)
- Lock for wall holder for testo 175/177 data loggers (Part no. 0554 1755)
- Stainless steel NTC food probe (IP65) with PUR cable (Part no. 0613 2211)
- ComSoft 3 - Basic Set with USB interface for testo 175 (Part no. 0554 1766)

testo 175-T2, Set for logging 2 temperatures
- Temperature data logger, 2 channels, with internal sensor and external probe socket, wall holder and calibration protocol (Part no. 0563 1755)
- Lock for wall holder for testo 175/177 data loggers (Part no. 0554 1755)
- Accurate immersion/penetration probe, cable: 1.5 m long, IP 67 (Part no. 0628 0006)
- ComSoft 3 - Basic Set with USB interface for testo 175 (Part no. 0554 1766)

Technical data	Chann. intern	Channel, external
Probe type	NTC	NTC
Meas. range	-35 to +70 °C	-40 to +120 °C
Accuracy	±0.5 °C (-20 to +70 °C) ±1 °C (remaining range)	±0.3 °C (-25 to +70 °C) ±0.5 °C (remaining range)
Resolution	0.1 °C (-20 to +70 °C) 0.3 °C (remaining range)	0.1 °C (-25 to +70 °C) 0.3 °C (remaining range)

Oper. temp.	-35 to +70 °C	Dimensions	82 x 52 x 30 mm
Storage temp.	-40 to +85 °C	Warranty	2 years
Battery type	Lithium battery	Battery life: 2.5 years at measuring cycle of 15 min (-10 to +50 °C)	
Material/Housing	ABS	Measuring cycle: 10 s to 24 h	
Protection class	IP68	Software: Microsoft Windows 95b / 98 / ME / NT4-Sp4 / 2000 / XP	
Memory	16000		
Weight	84 g		