

testo 177-T4

The testo 177-T4 professional datalogger with up to 4 external temperature probe connections for simultaneous temperature measurement at different locations.

Fluctuations in temperature e.g. in production processes, in laboratories etc. often influence the overall result. Surface, immersion and air probes enable adaptation to the respective measurement task.

Temperature datalogger, 4 channel, with 4 probe sockets, wall holder and calibration protocol

Part no.
0563 1774

4 external temperature probe sockets

- Specially for use in high and low temperatures
- Read out data without interrupting the measurement series
- Data analysis in table or graphics form, with email function
- Memory for up to 48,000 readings
- Collect data on site, upload to PC and analyse
- Alarm message, efficient indication of limits exceeded
- Memory for up to 48,000 readings



Probes	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
<ul style="list-style-type: none"> Industrial probe with stainless steel sleeve 	<p>40 mm Ø 6 mm Conn.: Fixed cable 1.9 m</p>	-50 to +205 °C	Class 2	20 s	0628 7533
Pipe wrap probe with Velcro strip, for temperature measurement on pipes with diameter up to max. 120 mm, T _{max} +120 °C	<p>395 mm 20 mm Conn.: Fixed cable 1.5 m</p>	-50 to +120 °C	Class 1	90 s	0628 0020
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Measuring range short-term to +280 °C	<p>Conn.: Fixed cable 1.2 m</p>	-60 to +130 °C	Class 2	5 s	0602 4592
Surface temperature probe fitting with M 14 x 1.5 outer thread and 2 nuts, fast action surface probe with crossed strip	<p>Conn.: Fixed cable 2 m</p>	-50 to +180 °C	Class 2	3 s	0628 7521
Thermocouple, flexible, 800mm long, fibre glass	<p>800 mm Ø 1.5 mm</p>	-50 to +400 °C	Class 2	5 s	0602 0644
Thermocouple, flexible, 1500mm long, fibre glass	<p>1500 mm Ø 1.5 mm</p>	-50 to +400 °C	Class 2	5 s	0602 0645
<ul style="list-style-type: none"> Thermocouple, flexible, 1500mm long, Teflon 	<p>1500 mm Ø 1.5 mm</p>	-50 to +250 °C	Class 2	5 s	0602 0646
Immersion tip, flexible	<p>500 mm Ø 1.5 mm</p>	-200 to +1000 °C	Class 1	5 s	0602 5792
Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces	<p>75 mm Ø 21 mm Conn.: Fixed cable 1.6 m</p>	-50 to +400 °C	Class 2		0602 4892
<ul style="list-style-type: none"> Waterproof immersion/penetration probe 	<p>110 mm Ø 4 mm 30 mm Ø 3.2 mm Conn.: Fixed cable 1.2 m</p>	-60 to +400 °C	Class 2	7 s	0602 1292
<ul style="list-style-type: none"> Accurate and quick-action immersion probe, waterproof 	<p>300 mm Ø 1.5 mm Conn.: Fixed cable 1.2 m</p>	-60 to +1000 °C	Class 1	2 s	0602 0592
Robust, affordable air probe	<p>110 mm Ø 4 mm Conn.: Fixed cable 1.2 m</p>	-60 to +400 °C	Class 2	25 s	0602 1792

• The specified seal class of the dataloggers is achieved with these probes.

testo 177-T4

Accessories / Technical data

Accessories	Part no.
Transport and Protection	
Transport case for up to 5 testo 177 dataloggers, testo 575 printer, testo 580 data collector and accessories	0516 1770
Lock for wall holder for testo 175/177 dataloggers	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 including readout holders, For testo 175/177 dataloggers	0554 1778
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	
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	
ComSoft 3 Set - Basic with RS 232 interface, Basic software with diagram and table function, incl. desk-top holder, PC connection cable	0554 1774
ComSoft 3 - Basic Set with USB interface for testo 177, Basic software with diagram and table function, incl. desk-top holders, PC connection cable	0554 1767
ComSoft 3 - Professional with data management, Incl. database, analysis and graphics function, data analysis, trend curve (without interface)	0554 0830
ComSoft 3 - For requirements to CFR 21 Part 11, Incl. database, analysis and graphics function, data analysis, trend curve (without interface)	0554 0821
RS 232 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, RS 232 - Ethernet incl. software driver, mains unit, Facilitates data communication in network	0554 1711
Calibration certificates	
ISO calibration certificate/Temperature, Temp. datalogger; calibration points -18°C; 0°C; +60°C	0520 0151
DKD calibration certificate/Temperature, Temp. datalogger; cal. points -20°C; 0°C; +60°C	0520 0261

Recommended set
testo 177-T4, Monitor high temperatures in production processes
<ul style="list-style-type: none"> - Temperature datalogger, 4 channel, with 4 probe sockets, wall holder and calibration protocol (Part no. 0563 1774) - Lock for wall holder for testo 175/177 dataloggers (Part no. 0554 1755) - 2 x Immersion tip, flexible (Part no. 0602 5792) - testo 580 data collector including readout holders (Part no. 0554 1778) - ComSoft 3 - Basic Set for testo 177, Basic software incl. interface, desk-top holder, PC connection cable (Part no. 0554 1774)

testo 177-T4, Monitor temperature distribution in heat cabinets
<ul style="list-style-type: none"> - Temperature datalogger, 4 channel, with 4 probe sockets, wall holder and calibration protocol (Part no. 0563 1774) - Lock for wall holder for testo 175/177 dataloggers (Part no. 0554 1755) - 4 x Thermocouple, flexible, 1500mm long, fibre glass (Part no. 0602 0645) - testo 580 data collector including readout holders (Part no. 0554 1778) - ComSoft 3 - Basic Set for testo 177, Basic software incl. interface, desk-top holder, PC connection cable (Part no. 0554 1774)

Set for monitoring technical systems
<ul style="list-style-type: none"> - Temperature datalogger, 4 channel, with 4 probe sockets, wall holder and calibration protocol (Part no. 0563 1774) - Lock for wall holder for testo 175/177 dataloggers (Part no. 0554 1755) - 2 x Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Measuring range short-term to +280°C (Part no. 0602 4592) - testo 580 data collector including readout holders (Part no. 0554 1778) - ComSoft 3 - Basic Set for testo 177, Basic software incl. interface, desk-top holder, PC connection cable (Part no. 0554 1774)

Technical data	
Meas. range	-200 to +400 °C (Type T (Cu-CuNi)) -195 to +1000 °C (Type K (NiCr-Ni)) -100 to +750 °C (Type J (Fe-CuNi))
Accuracy ±1 digit	±0.5% of mv (+70.1 to +1000 °C) ±1% of mv (-200 to -100.1 °C) ±0.3 °C (-100 to +70 °C)
Resolution	0.1 °C

Material/Housing	ABS	Battery life: 5 years with measuring cycle of 15 min (-10 to +50°C) Measuring cycle: 2 s to 24 h Software: Microsoft Windows 95b / 98 / ME / NT4-Sp4 / 2000 / XP
Oper. temp.	0 to +70 °C	
Storage temp.	-40 to +85 °C	
Battery type	Lithium battery	
Protection class	IP43	
Memory	48000	
Weight	129 g	
Dimensions	103 x 64 x 33 mm	
Warranty	2 years	