

Professional long-term monitoring – With 4 probe sockets

testo 177-T4

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

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.

- 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



Checking technical systems (flow/return temperature) in production facilities

testo 177-T4

4 x external °C

testo 177-T4, temperature data logger, 4 channels, with 4 probe inputs, wall holder and calibration protocol; calibration certificates (ISO/DKD) must be ordered separately; calibration certificates (ISO/DKD) must be ordered separately

Part no. 0563 1774

Technical data

Chann. external (var.)	4		
Probe type	Type T (Cu-CuNi)	Type K (NiCr-Ni)	Type J (Fe-CuNi)
Meas. range	-200 to +400 °C	-200 to +1000 °C	-100 to +750 °C
Accuracy	±0.5% of mv (+70.1 to +1000 °C) ±1.5% of mv (-200 to -100.1 °C) ±0.3 °C (-100 to +70 °C)		
Resolution	0.1 °C		
Memory	48000	Measuring rate	2 s to 24 h
Oper. temp.	0 to +70 °C	Protection class	IP43
Storage temp.	-40 to +85 °C	Weight	129 g
Battery type	Lithium battery	Dimensions	103 x 64 x 33 mm
Battery life	5 years at meas. cycle 15 min (-10 to +50 °C)		
Analysis software	MS Windows 95b / 98 / ME / 2000 / XP / Vista		

See page 50 for Accessories Ordering Data

Recommended Set: Set for monitoring technical systems

testo 177-T4, temperature data logger, 4 channels, with 4 probe inputs, wall holder and calibration protocol; calibration certificates (ISO/DKD) must be ordered separately; calibration certificates (ISO/DKD) must be ordered separately	0563 1774
Lock for wall holder for testo 175/177 data loggers	0554 1755
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K	0602 4592
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K	0602 4592
testo 580 data collector set with RS232, readout holders included, for testo 175/177 data loggers	0554 1778
ComSoft 4 Set - Basic with USB interface, Basic software with diagram and table function, incl. desk-top holders, PC connection cable	0554 1767

Description	Illustration	Meas. range	Accuracy	t99	Part no.
Stationary probe with stainless steel sleeve, TC Type K	40 mm Ø 6 mm	-50 to +205 °C	Class 2	20 s	0628 7533 Conn.: Fixed cable
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K		-60 to +130 °C	Class 2	5 s	0602 4592 Conn.: Fixed cable
Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K	800 mm Ø 1.5 mm	-50 to +400 °C	Class 2	5 s	0602 0644
Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K	1500 mm Ø 1.5 mm	-50 to +400 °C	Class 2	5 s	0602 0645
Thermocouple with TC adapter, flexible, 1500mm long, PTFE, TC Type K	1500 mm Ø 1.5 mm	-50 to +250 °C	Class 2	5 s	0602 0646
Efficient and fast-action immersion probe, waterproof, TC Type K	300 mm Ø 1.5 mm	-60 to +1000 °C	Class 1	2 s	0602 0593 Conn.: Fixed cable

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