The truck data logger with 2 probe sockets and event logging

testo 177-T3

testo 177-T3 documents 3 temperatures and an event simultaneously providing proof of an uninterrupted cooling chain during transport.

For example, complete monitoring of ambient air, intake and outgoing temperature with simultaneous monitoring of the door or the compressor is possible when monitoring transport. The measuring rate of the event can be set completely independently of the measuring rate of the temperature channels.

• Temperature logging of up to 48000 readings

• Data is read out without interrupting the measurement series

• Data analysis as table or graph, with Email function

testo 177-T3

Internal °C + 2 x external °C + event contact

Temperature datalogger, 3 channels, with internal sensor, 2 probe sockets, door contact connection cable, wall holder and calibration protocol

Part no.   0563 1773

Collect data on site, read out on your PC and analyse

Temperature monitoring at different sites e.g. during transport, in warehouses, in containers etc.

Technical data

Chann. intern	1	Chann. external (var.)	2
Meas. range	-40 to +70 °C	Meas. range	-40 to +120 °C
Accuracy ±1 digit	±0.4 °C (-25 to +70 °C) ±0.8 °C (-40 to -25.1 °C)	Accuracy ±1 digit	±0.2 °C (-25 to +70 °C) ±0.4 °C (remaining range)
Resolution	0.1 °C	Resolution	0.1 °C
Memory	48000	Battery type	Lithium battery
Oper. temp.	-40 to +70 °C	Weight	127 g
Storage temp.	-40 to +85 °C	Dimensions	103 x 64 x 33 mm

External: Event logging e.g. door contact
Battery life: 5 years with meas. rate of 15 min (-10 to +50°C)
Measuring rate: 2 s to 24 h
Software: Microsoft Windows 95b / 98 /ME / NT4-Sp4 / 2000 / XP

Recommended Set: Temperature monitoring with printout on-site

Temperature datalogger, 3 channels, with internal sensor, 2 probe sockets, door contact connection cable, wall holder and calibration protocol	0563 1773
Lock for wall holder for testo 175/177 dataloggers	0554 1755
Mounting probe with aluminium sleeve, IP 65	0628 7503
Mounting probe with aluminium sleeve, IP 65	0628 7503
Fast testo 575 printer, incl. 1 roll of thermal paper and batteries	0554 1775
ComSoft 3 Set - Basic with RS 232 interface, Basic software with diagram and table function, incl. desk-top holder, PC connection cable	0554 1774

Description	Illustration	Meas. range	Accuracy	t_{99}	Part no.
Stub probe, IP 54	35 mm / Ø 3 mm	-20 to +70 °C	±0.2 °C (-20 to +40 °C) ±0.4 °C (+40.1 to +70 °C)	15 s	0628 7510
Mounting probe with aluminium sleeve, IP 65	40 mm / Ø 6 mm	-30 to +90 °C	±0.2 °C (0 to +70 °C) ±0.5 °C (remaining range)	190 s	0628 7503* Conn.: Fixed cable
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	40 mm / Ø 3 mm / Ø 3 mm	-35 to +80 °C	±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	5 s	0610 1725* Conn.: Fixed cable
Accurate immersion/penetration probe, cable: 1.5 m long, IP 67					0628 0006*
Probe for surface measurement	40 mm / 8 x 8 mm	-50 to +80 °C	±0.2 °C (0 to +70 °C)	150 s	0628 7516* Conn.: Fixed cable
Food probe (IP65) stainless steel, PUR cable can be used at up to +80°C, IP54 plug-in connection	125 mm / Ø 4 mm / 15 mm / Ø 3 mm	-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 2211* Conn.: Fixed cable
Robust food penetration probe with special handle, IP 65, reinforced cable (PUR) and reinforced protection against buckling	115 mm / Ø 5 mm / 30 mm / Ø 3.5 mm	-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)	7 s	0613 2411* Conn.: Fixed cable
Frozen food probe, corkscrew design	110 mm / Ø 8 mm / 30 mm / Ø 4 mm	-50 to +140 °C	±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
Robust, affordable air probe to check storage temperatures	110 mm / Ø 4 mm	-50 to +150 °C Long-term meas. range +125°C, short-term +150°C (2 min)	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	60 s	0613 1711* Conn.: Fixed cable

The measuring instrument inside TopSafe is waterproof with this probe.

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