

USB data logger temperature

testo 184 T1
testo 184 T2
testo 184 T3

Clear alarm indication

Easiest operation

Easiest configuration without software installation

Convenient readout thanks to automatic PDF report

Mobile readout by NFC possible

IT safe (no installation, no download)



Illustration 1:1



With the testo 184 data loggers, you monitor every step of your cold chain in the transport of sensitive goods by rail, in the air or on the road.

testo 184 T1 and testo 184 T2 are designed as loggers with a built-in battery for use over a limited time, and therefore ideal for one-way transports.

testo 184 T3, with its exchangeable battery, is the ideal logger for inhouse logistics.

At their destination, you see at a glance whether the configured limit values have been adhered to. In order to obtain detailed information, it is sufficient to connect the logger to a PC – a PDF report is immediately generated with all relevant data.

In order for you to be able to work even more efficiently and conveniently with the data loggers, all required files and information are stored directly and securely in the respective testo 184: Configuration file, calibration certificate, instruction manual and PDF report of your recorded data.

Technical data

testo 184 T1

USB data logger testo 184 T1 for temperature, operating duration 90 days

Available in packages of 1, 10 and 50 off.

Part no. 0572 1841



testo 184 T3

USB data logger testo 184 T3 for temperature, unlimited operating duration thanks to exchangeable battery

Available in packages of 1, 10 and 50 off.

Part no. 0572 1843



testo 184 T2

USB data logger testo 184 T2 for temperature, operating duration 150 days

Available in packages of 1, 10 and 50 off.

Part no. 0572 1842



Sensor

Measurement parameter	Temperature
Temperature sensor	NTC sensor, internal
Measuring range	-35 to +70 °C
Accuracy	±0.5 °C
Resolution	0.1 °C

General technical data

	testo 184 T1	testo 184 T2	testo 184 T3
Power supply	Lithium battery, non-exchangeable	Lithium battery, non-exchangeable	Lithium battery CR2450 3V, exchangeable
Operating time	90 days	150 days	Unlimited
Battery life	—	—	500 days (at +25 °C and 15 mins measurement rate).
Measuring rate	1 min to 24 h	1 min to 24 h	1 min to 24 h
Memory	16,000 readings	40,000 readings	40,000 readings
Alarm identification	by LEDs	by LEDs and display	by LEDs and display
Dimensions	33 x 9 x 74 mm	44 x 12 x 97 mm	44 x 12 x 97 mm
Weight	25 g	45 g	45 g
Protection class	IP67		
Operating temperature	-35 to +70 °C		
Storage temperature	-55 to +70 °C		
Scope of delivery	Data logger, temperature calibration certificate (stored as a PDF in the instrument), battery CR2450		
Tests, certificates	<ul style="list-style-type: none"> · EN 12830-certified (C,D) · Certified by HACCP International · testo ComSoft CFR software (V4.3 SP2 or higher) compatible with CFR 21 Part 11 		
Warranty	testo 184 T1/T2: 12-month warranty from the production date, production date: see circled date code (MMDD) on the identification plate.		testo 184 T3: 24-month warranty, warranty terms: see website www.testo.com/warranty

Accessories

testo 184 T1/T2/T3	Part no.
Mobile printer for data loggers testo 175/176/184	0572 0576
ComSoft Professional, Pro software incl. data archiving	0554 1704
ComSoft CFR 21 Part 11, Software for requirements according to CFR 21 Part 11 for Testo data loggers	0554 1705
ISO calibration certificate/temperature, temperature probe; calibration points -18°C; 0°C; +60°C per channel/instrument	0520 0151

testo 184 T2/T3	Part no.
Wall bracket for testo 184	0554 1841

testo 184 T3	Part no.
Lithium battery CR2450 3 V	0515 1841

Software on board

The screenshot shows the 'testo' configuration tool interface. At the top, there are radio buttons for 'Choose Model' (T1, T2, T3, T4, H1, G1) and 'Expert Mode' (YES, NO). The 'testo' logo is on the right. Below is the 'Expert Mode' section with three sub-sections:

- General Information:** Report Language (English), Report Title (Fresh meat), Report Time Zone (UTC+01:00), E-Mail To (kpbrown@gmx.com), Sender (Peter brown), Receiver (Paul Smith), Comment (Route 22).
- Device Configuration:** Meas. Interval (0 hour 15 min), Start Setting (button), Start Date/Time (2013-09-01 12:00), Stop Setting (button), Stop Date/Time (2013-09-02 12:00), LCD Enable, LED Enable, Time Mark Enable, NFC, Date/Time Format (DD-MM-YYYY hh:mm), MKT Activation Energy (83.144 KJ/mol), Remaining Battery (500 days).
- Alarm Settings:** Temperature (8.0 °C), Temperature (2.0 °C), Humidity (40.0 %), Humidity (20.0 %), Shock (4.0 g).

At the bottom, there is a text box: "Please click here to transfer the configuration data to the data logger:" with a button and a small image of the logger.

No software needs to be installed on a PC or notebook in order to configure a testo 184 data logger. The PDF configuration tool is stored on the logger itself and can be opened with a simple double-click.

No download or installation required whatsoever. After setting the relevant parameters, the configuration is simply stored on the logger – and it's ready to use!

When the logger is plugged in to a PC after a completed measurement, a PDF report with all relevant data, the programming and a graph showing the value curve is created and stored in the logger. A double-click allows it to be opened and printed out, or forwarded by e-mail.

If advanced read-out options are required, the customer can obtain these by purchasing ComSoft Professional. In order to achieve the conformity to 21 CFR Part 11 which is often required in the pharmaceutical field, there is a special software available as an accessory.

USB data logger for temperatures up to $-80\text{ }^{\circ}\text{C}$

testo 184 T4

Clear alarm indication

Easiest operation

Easiest configuration without software installation

Convenient readout thanks to automatic PDF report

Mobile readout by NFC possible

Specially for transports up to $-80\text{ }^{\circ}\text{C}$



Illustration 1:1

The data logger testo 184 T4 is designed for lowest temperatures down to $-80\text{ }^{\circ}\text{C}$, such as occur in dry-ice cooled transports (e.g. blood plasma). Special components are used, allowing monitoring at operating temperatures of $-80\text{ }^{\circ}\text{C}$.

At their destination, you see at a glance whether the configured limit values have been adhered to. In order to obtain detailed information, it is sufficient to connect the logger to a PC – a PDF report is immediately generated with all relevant data.

In order for you to be able to work even more efficiently and conveniently with the data loggers, all required files and information are stored directly and securely in the testo 184 T4: Configuration file, calibration certificate, instruction manual and PDF report of your recorded data.

Technical data



testo 184 T4

USB data logger testo 184 T4 for temperature, unlimited re-use thanks to exchangeable battery

Available in packages of 1 and 10 off

Part no. 0572 1844



Sensor

Measurement parameter	Temperature
Temperature sensor	Pt1000
Measuring range	-80 to +70 °C
Accuracy	±0.8 °C (-80 to -35.1 °C) ±0.5 °C (-35 to +70 °C)
Resolution	0.1 °C

General technical data

Power supply	Lithium battery TLH-2450, 3V, exchangeable
Operating time	Unlimited
Battery life	100 days (at 15 mins measurement rate)
Measuring rate	1 min to 24 h
Memory	40,000 readings
Alarm identification	by LEDs
Dimensions	44 x 12 x 97 mm
Weight	45 g
Protection class	IP67
Operating temperature	-80 to +70 °C
Storage temperature	-80 to +70 °C
Scope of delivery	Data logger, temperature calibration certificate (stored as a PDF in the instrument), battery TLH-2450
Tests, certificates	· EN 12830-certified (C,D) · Certified by HACCP International · testo ComSoft CFR software (V4.3 SP2 or higher) compatible with CFR 21 Part 11
Warranty	24-month warranty, warranty terms: see website www.testo.com/warranty

Accessories

	Part no.	
Wall bracket for testo 184	0554 1841	
Lithium battery TLH-2450	0515 1840	
ComSoft Professional, Pro software incl. data archiving	0554 1704	
ComSoft CFR 21 Part 11, Software for requirements according to CFR 21 Part 11 for Testo data loggers	0554 1705	
Mobile printer for data loggers testo 175/176/184	0572 0576	
ISO calibration cert./temperature, temperature data logger; calibration points selectable from -196 to +1260°C	0520 0141	
ISO calibration certificate/temperature, temperature probe; calibration points - 18°C; 0°C; +60°C per channel/instrument	0520 0151	



Pyrosales

Total Sensor Solutions

Pyrosales Pty Ltd, 4 Wordie Place
 Padstow, NSW, 2211, Australia
 Ph: +61 2 9790 1988
 Fax: +61 2 9790 1040
 E-mail: sales@pyrosales.com.au

USB data logger for temperature, humidity and shock

testo 184 G1

Clear alarm indication

Easiest operation

Easiest configuration without software installation

Convenient readout thanks to automatic PDF report

Mobile readout by NFC possible

Reliable recording of vibrations (shock)



Illustration 1:1



The data logger testo 184 G1 is designed specifically for the monitoring of shock, relative humidity and temperature during transportation. In addition to the precise temperature and humidity measurement, a 3-axle acceleration sensor measures any vibrations which occur.

This allows **impact and vibrations** to be reliably recorded during the transport of sensitive pharmaceutical products, high-quality electronic products, delicate machinery or valuable art objects.

At their destination, you see at a glance whether the configured limit values have been adhered to. In order to obtain detailed information, it is sufficient to connect the logger to a PC – a PDF report is immediately generated with all relevant data.

In order for you to be able to work even more efficiently and conveniently with the data loggers, all required files and information are stored directly and securely in the testo 184 G1: Configuration file, instruction manual and PDF report of your recorded data.

Technical data

testo 184 G1

USB data logger testo 184 G1 for temperature, humidity and shock, unlimited operating duration thanks to exchangeable battery, incl. wall bracket

Part no. 0572 1846



Sensor

Measurement parameters	Temperature / humidity / shock
Measuring range	-20 to +70 °C 0 to 100 %RH 0 to 27 g
Accuracy	±0.5 °C (0 to +70 °C) ±0.8 °C (-20 to 0 °C) ±1.8 %RH + 3 % of m.v. at +25 °C (5 to 80 %RH) ±0.03 %RH / K (0 to 60 °C) ±0.1 g + 5 % of m.v.
Resolution	0.1 °C 0.1 %RH 0.1 g

General technical data

Power supply	Lithium battery CR2450 3V, exchangeable
Operating time	Unlimited
Battery life	120 days (at +25 °C and 15 mins measurement rate).
Measuring rate	1 min to 24 h
Memory	64000 measurement values (temperature and humidity) 1000 measurement values (shock)
Alarm identification	by LEDs and display
Dimensions	44 x 12 x 97 mm
Weight	45 g
Protection class	IP30
Operating temperature	-20 to +70 °C
Storage temperature	-55 to +70 °C
Tests, certificates	· Certified by HACCP International · testo ComSoft CFR software (V4.3 SP2 or higher) compatible with CFR 21 Part 11
Warranty	24 months, warranty conditions: see website www.testo.com/warranty

Accessories

	Part no.
Lithium battery CR2450 3 V	0515 1841
ComSoft Professional, Pro software incl. data archiving	0554 1704
ComSoft CFR 21 Part 11, Software for requirements according to CFR 21 Part 11 for Testo data loggers	0554 1705
Mobile printer for data loggers testo 175/176/184	0572 0576
ISO calibration certificate humidity, calibration points 11.3 %RH, 50 %RH and 75.3 %RH at +25 °C	0520 0176
ISO calibration certificate humidity, calibration points 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	0520 0076



Pyrosales Pty Ltd, 4 Wordie Place
 Padstow, NSW, 2211, Australia
 Ph: +61 2 9790 1988
 Fax: +61 2 9790 1040
 E-mail: sales@pyrosales.com.au

USB data logger for humidity and temperature

testo 184 H1

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Mobile readout by NFC possible

IT safe (no installation, no download)



Illustration 1:1

With the testo 184 data loggers, you can monitor every step of the transport chain. testo 184 H1 is specially tailored to the monitoring of relative humidity and temperature during transport, for example in order to continuously monitor fruit and vegetables, humidity-sensitive medicaments or cut flowers.

At their destination, you see at a glance whether the configured limit values have been adhered to. In order to obtain detailed information, it is sufficient to connect the logger to a PC – a PDF report is immediately generated with all relevant data.

In order for you to be able to work even more efficiently and conveniently with the data loggers, all required files and information are stored directly and securely in the testo 184 H1: Configuration file, instruction manual and PDF report of your recorded data.

Technical data

testo 184 H1

USB data logger testo 184 H1 for temperature and humidity, unlimited operating duration thanks to exchangeable battery

Available in packages of 1, 10 and 50 off.

Part no. 0572 1845



Sensor

Measurement parameters	Temperature / humidity
Measuring range	-20 to +70 °C 0 to 100 %RH
Accuracy	±0.5 °C (0 to +70 °C) ±0.8 °C (-20 to 0 °C) ±1.8 %RH + 3 % of m.v. at +25 °C (5 to 80 %RH) ±0.03 %RH / K (0 to 60 °C)
Resolution	0.1 °C 0.1 %RH

Accessories

Part no.

Wall bracket for testo 184	0554 1841	
Lithium battery CR2450 3 V	0515 1841	
ComSoft Professional, Pro software incl. data archiving	0554 1704	
ComSoft CFR 21 Part 11, Software for requirements according to CFR 21 Part 11 for Testo data loggers	0554 1705	
Mobile printer for data loggers testo 175/176/184	0572 0576	
ISO calibration certificate humidity, calibration points 11.3 %RH, 50 %RH and 75.3 %RH at +25 °C	0520 0176	
ISO calibration certificate humidity, calibration points 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	0520 0076	

General technical data

Power supply	Lithium battery CR2450 3V, exchangeable
Operating time	Unlimited
Battery life	500 days (at +25 °C and 15 mins measurement rate).
Measuring rate	1 min to 24 h
Memory	64000 measurement values
Alarm identification	by LEDs and display
Dimensions	44 x 12 x 97 mm
Weight	45 g
Protection class	IP30
Operating temperature	-20 to +70 °C
Storage temperature	-55 to +70 °C
Tests, certificates	· Certified by HACCP International · testo ComSoft CFR software (V4.3 SP2 or higher) compatible with CFR 21 Part 11
Warranty	24 months, warranty conditions: see website www.testo.com/warranty



Pyrosales Pty Ltd, 4 Wordie Place
Padstow, NSW, 2211, Australia
Ph: +61 2 9790 1988
Fax: +61 2 9790 1040
E-mail: sales@pyrosales.com.au