

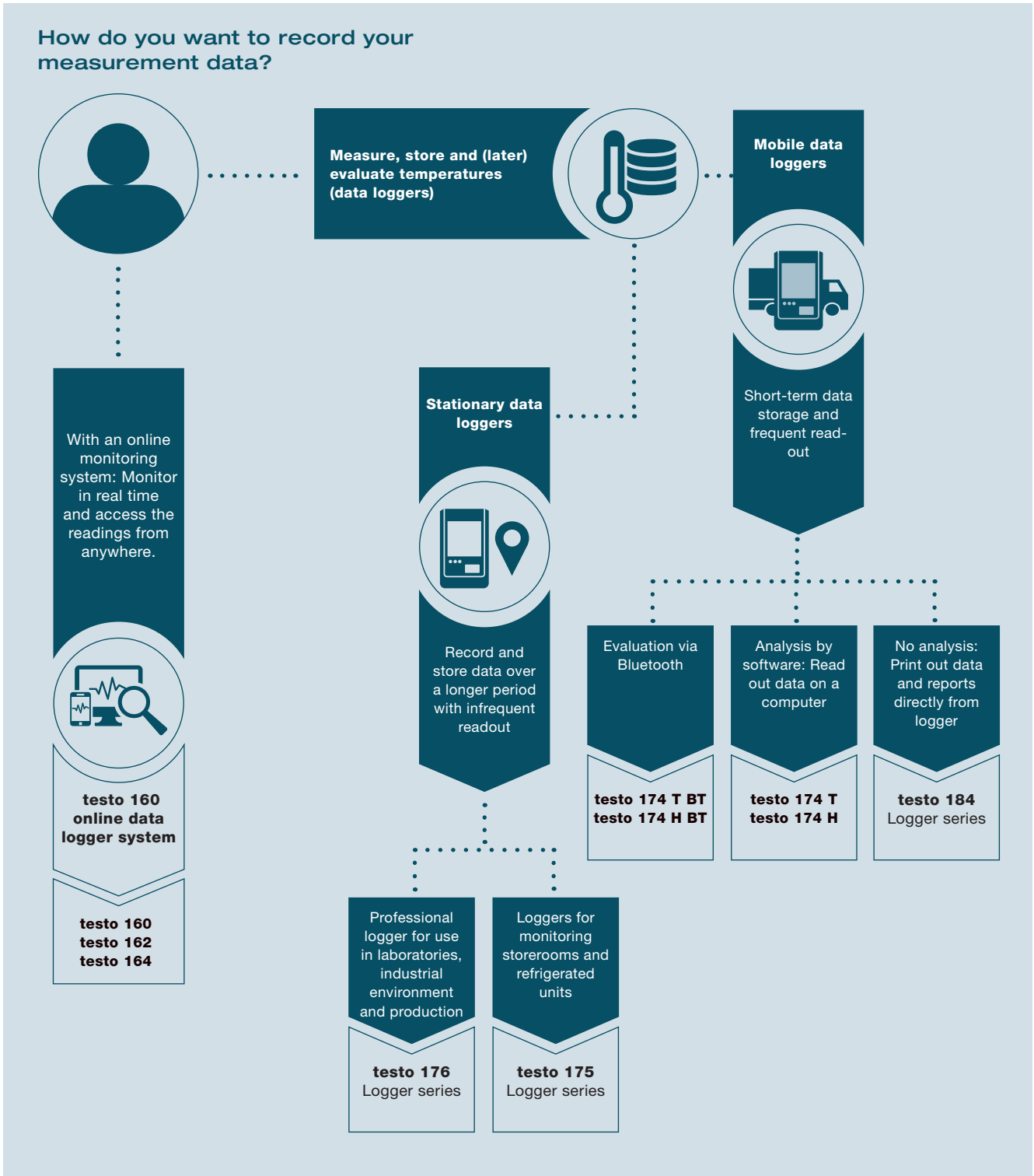
Be sure. **testo**



# Precise climate data. Simply & reliably.

Overview of the Testo data loggers.

# You know what you need - and we have the perfect data loggers for you.



# Ready for use in transport and storage: testo 174 family



Mobile  
data  
loggers

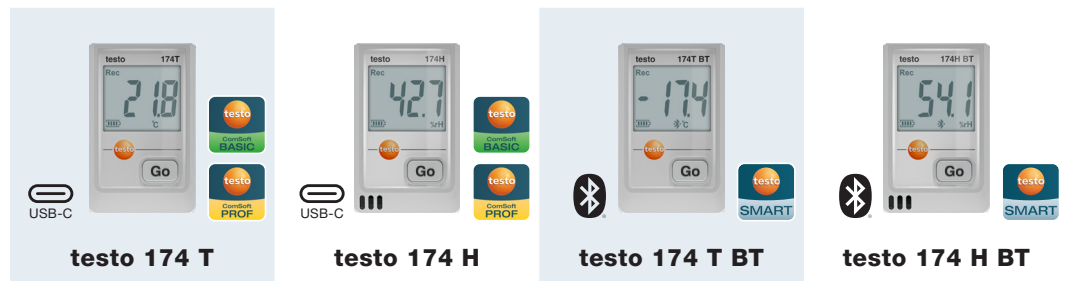
## testo 174 loggers in comparison



Data loggers  
testo 174 T and  
testo 174 T BT,  
NSF-certified



All data loggers  
HACCP-certified



### General data

Brief description	Mini temperature data logger with USB-C and PC software testo 174 T, 1-channel, incl. free ComSoft Basic software, wall bracket, battery (2 x CR 2032 lithium) USB 2.0 data transfer cable and test report	Mini data loggers for temperature and humidity with USB-C and PC software testo 174 H, 2-channel, incl. free ComSoft Basic software, wall bracket, battery (2 x CR 2032 lithium) USB 2.0 data transfer cable and test report	Mini temperature data logger with app connection testo 174 T, 1 channel, includes wall bracket, batteries (2 x CR2032 Lithium) and inspection report	Mini data logger testo 174 H BT for temperature and humidity with app connection, 2 channel, incl. wall bracket, batteries (2 x CR 2032 lithium) and inspection report
Order number	0572 1740 01	0572 1741 01	0572 1742 01	0572 1743 01
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR	XX.XX EUR

### Technical data

Measurement parameter	Temperature	Temperature & humidity	Temperature	Temperature & humidity
Easy-to-read display	✓	✓	✓	✓
Channels	1 x internal	2 x internal	1 x internal	2 x internal
Measuring range	-30 to +70 °C	-30 to +70 °C / 0 to 100 %RH*	-30 to +70 °C	-30 to +70 °C / 0 to 100 %RH*
Accuracy	±0.5 °C (-30 to +70 °C)	±0.5 °C (-30 to +70 °C) ±3 %RH (2 to 98 %RH) ±0.03 %RH/K	±0.5 °C (-30 to +70 °C)	±0.5 °C (-30 to +70 °C) ±3 %RH (2 to 98 %RH) ±0.03 %RH/K
Resolution	0.1 °C	0.1 °C / 0.1 %RH	0.1 °C	0.1 °C / 0.1 %RH
Measuring cycle	1 min to 24 h	1 min to 24 h	1 min to 24 h	1 min to 24 h
Memory capacity	16,000 readings	16,000 readings	16,000 readings	16,000 readings
Connection/connector	USB-C	USB-C	Bluetooth	Bluetooth
Software	testo ComSoft Basic testo ComSoft Professional	testo ComSoft Basic testo ComSoft Professional	testo Smart App	testo Smart App
Operating/storage temperature	-30 to 70 °C / -40 to +70 °C	-20 to 70 °C / -40 to +70 °C	-30 to 70 °C / -40 to +70 °C	-20 to 70 °C / -40 to +70 °C
battery life	500 days (15 min. measuring cycle, +25 °C)	500 days (15 min. measuring cycle, +25 °C)	1 year (15 min. measuring cycle, +25 °C)	1 year (15 min. measuring cycle, +25 °C)
Dimensions/weight	60 x 38 x 18.5 mm / 35 g	60 x 38 x 18.5 mm / 35 g	60 x 38 x 18.5 mm / 35 g	60 x 38 x 18.5 mm / 35 g
Protection class	IP65	IP20	IP65	IP20
Certification	EN12830, HACCP, NSF	HACCP	EN12830, HACCP, NSF	HACCP

\* Not for condensing atmospheres. For continuous application in high humidity (>80 %RH at ≤30 °C for >12 h, >60 %RH at >30 °C for >12 h). Please contact us via our website.

# In transit for you up to 500 days: testo 184 series



Mobile  
data  
loggers

## testo 184 loggers in comparison



All data loggers  
HACCP-certified



**testo 184 T1**



**testo 184 T2**



**testo 184 T3**

### General data

Brief description	USB data logger for temperature, operating time 90 days.	USB data logger for temperature, operating time 150 days.	USB data logger for temperature, unlimited operating time thanks to replaceable battery.
Order number	0572 1841	0572 1842	0572 1843
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR

### Technical data

Measurement parameter	Temperature	Temperature	Temperature
Immediate creation of a PDF report after connecting to a PC	✓	✓	✓
Especially for transportation temperatures as low as -80 °C	✗	✗	✗
Channels	1 x internal	1 x internal	1 x internal
Measuring range	-35 to +70 °C	-35 to +70 °C	-35 to +70 °C
Accuracy	±0.5 °C	±0.5 °C	±0.5 °C
Resolution	0.1 °C	0.1 °C	0.1 °C
Measuring cycle	1 min to 24 h	1 min to 24 h	1 min to 24 h
Memory capacity	16,000 readings	40,000 readings	40,000 readings
Interface	USB interface	USB interface	USB interface
Software	testo ComSoft Professional testo ComSoft CFR	testo ComSoft Professional testo ComSoft CFR	testo ComSoft Professional testo ComSoft CFR
Operating/storage temperature	-35 to +70 °C / -55 to +70 °C	-35 to +70 °C / -55 to +70 °C	-35 to +70 °C / -55 to +70 °C
battery life	-	-	500 days (at +25 °C and 15 min. measuring cycle)
Dimensions/weight	33 x 9 x 74 mm / 25 g	44 x 12 x 97 mm / 45 g	44 x 12 x 97 mm / 45 g
Protection class	IP 67	IP 67	IP 67
EN certificate	EN 12830	EN 12830	EN 12830

Mobile data loggers



# In transit for you up to 500 days: testo 184 series

## testo 184 loggers in comparison



All data loggers HACCP-certified



### General data

Brief description	USB data logger for temperature, unlimited operating time thanks to replaceable battery.	USB data logger for temperature and humidity, unlimited operating time thanks to replaceable battery.	USB data logger for temperature, humidity and shock, unlimited operating time thanks to replaceable battery.
Order number	0572 1844	0572 1845	0572 1846
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR

### Technical data

Measurement parameter	Temperature	Temperature & humidity	Temperature, humidity & shock
Immediate creation of a PDF report after connecting to a PC	✓	✓	✓
Especially for transportation temperatures as low as -80 °C	✓	✗	✗
Channels	1 x internal	2 x internal	5 x internal
Measuring range	-80 to +70 °C	-20 to +70 °C / 0 to 100 %RH	-20 to +70 °C / 0 to 100 %RH 0 to 27 g
Accuracy	±0.8 °C (-80 to -35.1 °C) ±0.5 °C (-35 to +70 °C)	±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)	±0.5 °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 °C / 0.1 %RH	0.1 °C / 0.1 %RH / 0.1 g
Measuring cycle	1 min to 24 h	1 min to 24 h	1 min to 24 h / 1 s
Memory capacity	40,000 readings	64,000 readings	64,000 readings (temperature and humidity) 1,000 readings (shock)
Interface	USB interface	USB interface	USB interface
Software	testo ComSoft Professional testo ComSoft CFR	testo ComSoft Professional testo ComSoft CFR	testo ComSoft Professional testo ComSoft CFR
Operating/storage temperature	-80 to +70 °C / -80 to +70 °C	-20 to +70 °C / -55 to +70 °C	-20 to +70 °C / -55 to +70 °C
battery life	100 days (with 15 min measurement rate)	500 days (at +25 °C and 15 min. measuring cycle)	120 days (at +25 °C and 15 min. measuring cycle)
Dimensions/weight	44 x 12 x 97 mm / 45 g	44 x 12 x 97 mm / 45 g	44 x 12 x 97 mm / 45 g
Protection class	IP 67	IP 30	IP 30
EN certificate	EN 12830	✗	✗



# Specialized in storage facility management: **testo 175 series**



**Stationary data loggers**

## testo 175 loggers in comparison



All data loggers  
HACCP-certified



**testo 175 T1**



**testo 175 T2**

<b>General data</b>		
Brief description	1-channel temperature data logger with internal sensor (NTC), incl. wall bracket, lock, batteries, testo ComSoft Basic and calibration protocol	2-channel temperature data logger with internal (NTC) and external sensor connection (NTC), incl. wall bracket, lock, batteries, testo ComSoft Basic and calibration protocol
Order number	0572 1751	0572 1752
Recommended selling price	XX.XX EUR	XX.XX EUR
<b>Technical data</b>		
Measurement parameter	Temperature	Temperature
Easy-to-read display	✓	✓
Mobile readout/printout on site	✓	✓
Channels	1 x internal	1 x internal, 1 x external
Measuring range	-35 to +55 °C	-35 to +55 °C int. -40 to +120 °C ext.
Accuracy *±1 digit	±0.4 °C (-35 to +55 °C)*	±0.5 °C (-35 to +55 °C)* ±0.3 °C (-40 to +120 °C)*
Resolution	0.1 °C	0.1 °C
Measuring cycle	10 sec to 24 h	10 sec to 24 h
Memory capacity	1 million readings	1 million readings
Interface	Mini USB, SD card slot	Mini USB, SD card slot
Software	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR
Operating/storage temperature	-35 to +55 °C	-35 to +55 °C
battery life	3 years (15 min. measuring cycle, +25 °C)	3 years (15 min. measuring cycle, +25 °C)
Dimensions/weight	89 x 53 x 27 mm / 130 g	89 x 53 x 27 mm / 130 g
Protection class	IP 65	IP 65
EN certificate	EN 12830	EN 12830

Stationary data loggers



## Specialized in storage facility management: **testo 175 series**

### testo 175 loggers in comparison



All data loggers HACCP-certified



**testo 175 T3**



**testo 175 H1**

General data		
Brief description	2-channel temperature data logger with external sensor connections (TC Type T and Type K) including wall bracket, lock, batteries, testo ComSoft Basic and calibration protocol	2-channel temperature and humidity data logger with external humidity sensor (NTC/capacitive humidity sensor) including wall bracket, lock, batteries, testo ComSoft Basic and calibration protocol
Order number	0572 1753	0572 1754
Recommended selling price	XX.XX EUR	XX.XX EUR
Technical data		
Measurement parameter	Temperature	Temperature & humidity
Easy-to-read display	✓	✓
Mobile readout/printout on site	✓	✓
Channels	2 x external	2 x internal (stump)
Measuring range	-50 to +400 °C (Type T) -50 to +1000 °C (Type K)	-20 to +55 °C 0 to 100 %RH
Accuracy *±1 digit	±0.5 °C (-50 to +70 °C)* ±0.7 % of m.v. (+70.1 to +1000 °C)* (Type K) ±0.5 °C (-50 to +70 °C)* ±0.7 % of m.v. (70.1 to +400 °C)* (Type T)	±0.4 °C (-20 to +55 °C)* ±2 %RH (2 to 98 %RH) at +25 °C ±0.03 %RH/K*
Resolution	0.1 °C	0.1 °C / 0.1 %RH
Measuring cycle	10 sec to 24 h	10 sec to 24 h
Memory capacity	1 million readings	1 million readings
Interface	Mini USB, SD card slot	Mini USB, SD card slot
Software	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR
Operating/storage temperature	-20 to +55 °C	-20 to +55 °C
battery life	3 years (15 min measuring cycle, +25 °C)	3 years (15 min measuring cycle, +25 °C)
Dimensions/weight	89 x 53 x 27 mm / 130 g	149 x 53 x 27 mm / 130 g
Protection class	IP 65	IP 54
EN certificate	✗	✗

# Extra-high-precision for monitoring production: **testo 176 T2 / T4 / H1 / P1**



**Stationary data loggers**

## testo 176 loggers in comparison



All data loggers HACCP-certified



**testo 176 T2**



**testo 176 T4**



**testo 176 H1**



**testo 176 P1**

<b>General data</b>				
Brief description	2-channel temperature data logger with connections for high-precision external sensors (Pt100), incl. wall bracket, lock, battery, testo ComSoft Basic and calibration protocol	4-channel temperature data logger with external sensor connections (TC Type T, Type K and Type J), including wall bracket, battery, testo ComSoft Basic and calibration protocol	4channel temperature and humidity data logger with external sensor connections (NTC/ capacitive humidity sensor) including wall bracket, lock, battery, testo ComSoft Basic and calibration protocol	5-channel pressure, temperature and humidity data logger with internal sensor (absolute pressure) and external sensor connections (NTC/ capacitive humidity sensor), including wall bracket, lock, battery, testo ComSoft Basic and calibration protocol
Order number	0572 1762	0572 1764	0572 1765	0572 1767
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR	XX.XX EUR
<b>Technical data</b>				
Measurement parameter	Temperature	Temperature	Temperature & humidity	Temperature & humidity & pressure
Easy-to-read display	✓	✓	✓	✓
Extremely high measurement range	✓	✓	✗	✗
Channels	2 x external	4 x external	4 x external	1 x internal, 2 external probes, 4 external channels
Measuring range	-100 to +400 °C	-100 to +750 °C (Type J) -195 to +1000 °C (Type K) -200 to +400 °C (Type T)	-20 to +70 °C 0 to 100 %RH	-20 to +70 °C 0 to 100 %RH 600 to 1100 mbar
Accuracy *±1 digit	±0.2 °C (-100 to +200 °C)* ±0.3 °C (+200.1 to +400°C)*	±1 % of m.v. (-200 to -100.1 °C)* ±0.3 °C (-100 to +70 °C)* ±0.5 % of m.v. (+70.1 to +1000 °C)*	±0.2 °C (-20 to +70 °C)* ±0.4 °C* (remaining meas. range) / probe-specific	±0.2 °C (-20 to +70 °C)* ±0.4 °C* (remaining meas. range) / probe-specific ±3 mbar (0 to +50 °C)*
Resolution	0.01 °C	0.1 °C	0.1 °C / 0.1 %RH	0.1 °C / 0.1 %RH / 1 mbar
Measuring cycle	1 sec to 24 h (freely selectable, for online measurement 2 sec to 24 h)	1 sec to 24 h (freely selectable, for online measurement 2 sec to 24 h)	1 sec to 24 h (freely selectable, for online measurement 2 sec to 24 h)	1 sec to 24 h (freely selectable, for online measurement 2 sec to 24 h)
Memory capacity	2 million readings	2 million readings	2 million readings	2 million readings
Interface	Mini USB, SD card slot	Mini USB, SD card slot	Mini USB, SD card slot	Mini USB, SD card slot
Software	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR
Operating/storage temperature	-35 to +70 °C -40 to +85 °C	-20 to +70 °C -40 to +85 °C	-20 to +70 °C -40 to +85 °C	-20 to +70 °C -40 to +85 °C
battery life	8 years (15 min. measuring cycle, +25 °C)	8 years (15 min. measuring cycle, +25 °C)	8 years (15 min. measuring cycle, +25 °C)	8 years (15 min. measuring cycle, +25 °C)
Dimensions/weight	103 x 63 x 33 mm Approx. 220 g	103 x 63 x 33 mm Approx. 230 g	103 x 63 x 33 mm Approx. 220 g	103 x 63 x 33 mm 230 g
Protection class	IP 65	IP 65	IP 65	IP 54
EN certificate	EN 12830	EN 12830	✗	✗



Stationary data loggers



## Extra-robust for harsh environments: testo 176 T1 / T3 / H2

### testo 176 loggers in comparison



General data	testo 176 T1	testo 176 T3	testo 176 H2
Brief description	1-channel temperature data logger in a metal housing with high-precision internal sensor (Pt100) including wall bracket, lock and battery, testo ComSoft Basic	4-channel temperature data logger in a metal housing with external sensor connections (TC Type T, Type K and Type J) including wall bracket, lock and battery, testo ComSoft Basic	2-channel temperature and humidity data logger in a metal housing with external sensor connections (NTC/capacitive humidity sensor) including wall bracket, lock and battery, testo ComSoft Basic
Order number	0572 1761	0572 1763	0572 1766
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR
Technical data			
Measurement parameter	Temperature	Temperature	Temperature & humidity
Easy-to-read display	-	-	-
Extremely wide measurement range	-	✓	-
Channels	1 x internal	4 x external	2 x external
Measuring range	-35 to +70 °C	-100 to +750 °C (Type J) -195 to +1000 °C (Type K) -200 to +400 °C (Type T)	-20 to +70 °C 0 to 100 %RH
Accuracy *±1 digit	±0.4 °C (-35 to +70 °C)*	±1 % of m.v. (-200 to -100.1 °C)* ±0.3 °C (-100 to +70 °C)* ±0.5 % of m.v. (+70.1 to +1000 °C)*	±0.2 °C (-20 to +70 °C)* ±0.4 °C* (remaining meas. range) / probe-specific
Resolution	0.01 °C	0.1 °C	0.1 °C / 0.1 %RH
Measuring cycle	1 sec to 24 h (freely selectable, for online measurement 2 sec to 24 h)	1 sec to 24 h (freely selectable, for online measurement 2 sec to 24 h)	1 sec to 24 h (freely selectable, for online measurement 2 sec to 24 h)
Memory capacity	2 million readings	2 million readings	2 million readings
Interface	Mini USB, SD card slot	Mini USB, SD card slot	Mini USB, SD card slot
Software	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR	testo ComSoft Basic testo ComSoft Professional testo ComSoft CFR
Operating/storage temperature	-35 to +70 °C -40 to +85 °C	-20 to +70 °C -40 to +85 °C	-20 to +70 °C -40 to +85 °C
battery life	8 years (15 min measuring cycle, +25 °C)	8 years (15 min measuring cycle, +25 °C)	8 years (15 min measuring cycle, +25 °C)
Dimensions/weight	103 x 63 x 33 mm Approx. 410 g	103 x 63 x 33 mm Approx. 430 g	103 x 63 x 33 mm Approx. 430 g
Protection class	IP 68	IP 65	IP 65
EN certificate	EN 12830	-	-

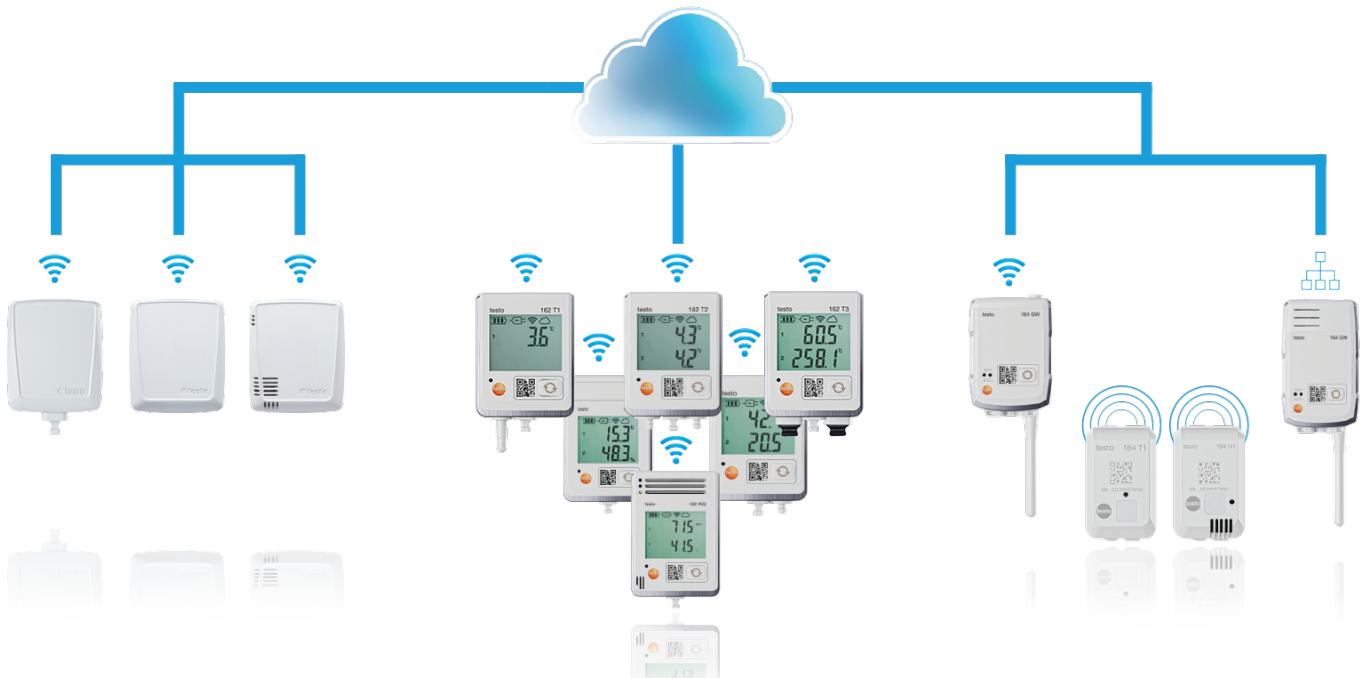
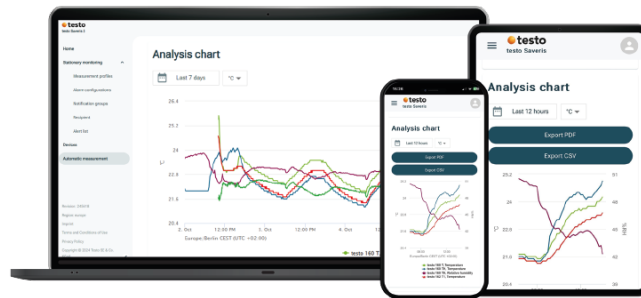
# Online data logger system: testo 160



Online  
monitoring  
system

The testo 160 online data logger system consists of the hardware components (testo 160, testo 162, testo 164) as well as the testo Saveris Cloud and testo Smart App. The testo Saveris Cloud is the central data platform. Measured values can be viewed and analyzed there.

The products testo 160, testo 162 and testo 164 offer you maximum flexibility thanks to their wide range of variants and can be easily combined and expanded in your Testo account.



Online  
monitoring  
system

## Monitors and sounds the alarm: testo 160

### testo 160 loggers in comparison



	testo 160 T	testo 160 TH	testo 160 E
<b>General data</b>			
Brief description	The unobtrusive online data logger is an easy-to-use climate logger for monitoring temperature with an integrated temperature sensor.	The unobtrusive online data logger is an easy-to-use climate logger for monitoring temperature and air humidity with an integrated sensor.	The unobtrusive online data logger is an easy-to-use climate logger for monitoring temperature, humidity, lux and UV radiation with 2 connections for using external sensors.
Order number	0572 2019	0572 2021	0572 2022
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR
<b>General technical data</b>			
Operating temperature	-30 to +50 °C	-30 to +50 °C	-10 to +50 °C
Storage temperature	-30 to +60 °C	-30 to +60 °C	20 to +50 °C
Protection class	IP65	IP65	IP20
Measurement rate & communication rate	1 min to 24 h	1 min to 24 h	1 min to 24 h
Memory	32,000 readings (sum of all channels)	32,000 readings (sum of all channels)	32,000 readings (sum of all channels)
Voltage supply	4 x AAA alkaline manganese batteries 1.5 V (permanent power supply possible with accessory mains adapter)	4 x AAA alkaline manganese batteries 1.5 V (permanent power supply possible with accessory mains adapter)	4 x AAA alkaline manganese batteries 1.5 V (permanent power supply possible with accessory mains adapter)
Battery life (at 15 min measurement & communication rate)	1.5 years	1.5 years	1.5 years
Dimensions	76 x 64 x 22 mm	76 x 64 x 22 mm	76 x 64 x 22 mm
Weight (including batteries)	94 g	94 g	96 g
<b>Temperature measurement</b>			
Sensor type	NTC internal	NTC internal	see connectable probes
Measuring range	-30 to +50 °C	-10 to +50 °C	see connectable probes
Accuracy	±0.5 °C	±0.5 °C	see connectable probes
Resolution	0.1 °C	0.1 °C	see connectable probes
<b>Humidity measurement</b>			
Sensor type	-	NTC internal	see connectable probes
Measuring range	-	0 to 100 %RH (non-condensing)	see connectable probes
Accuracy	-	±2% RH at +25°C and 20 to 80% RH ±3% RH at +25°C and < 20% RH and > 80% RH ±1% RH hysteresis ±1% RH drift per year	see connectable probes
Resolution	-	0.1 %RH	see connectable probes
<b>Additional measurements</b>			
	-	-	Lux and UV measurement possible with external probe. See technical data probe
<b>Certificates/approvals</b>			
	EN12830	-	-
<b>WLAN</b>			
Standard	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n

# Monitors and sounds the alarm: testo 162



Online  
monitoring  
system

## testo 162 loggers in comparison



Data loggers testo 162 T1  
and testo 162 T2  
HACCP-certified



### General data

Brief description	Easy-to-use climate logger with display for monitoring temperature with integrated temperature sensor.	Easy-to-use climate logger with display for monitoring temperatures with 2 connections for using external temperature sensors (NTC).	Easy-to-use climate logger with display for monitoring temperatures with 2 connections for using external temperature sensors (thermocouple).
Order number	0572 1621	0572 1622	0572 1623
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR
<b>General technical data</b>			
Operating temperature	-30 to +50 °C	-30 to +50 °C	-30 to +50 °C
Storage temperature	-40 to +70 °C	-40 to +70 °C	-40 to +70 °C
Protection class	IP65	IP65	IP64
Measurement rate & communication rate	1 min to 24 h	1 min to 24 h	1 min to 24 h
Memory	10,000 readings/channel	10,000 readings/channel	10,000 readings/channel
Battery life (at 15 min measurement & communication rate)	1 year	1 year	1 year
Dimensions	95 x 75 x 30.5 mm	95 x 75 x 30.5 mm	95 x 75 x 30.5 mm
Weight (including batteries)	240 g	240 g	240 g
<b>Temperature measurement</b>			
Sensor type	NTC internal	NTC internal	Thermocouple Type K, Type J, Type T
Measuring range	-30 to +50 °C	-50 to +150 °C	Type K: -195 to +1350 °C
Accuracy	±0.5 °C	±0.5 °C	Type J: -100 to +750 °C
Resolution	0.1 °C	0.1 °C	Type T: -200 to +400 °C
<b>Certificates/approvals</b>			
	EN12830, HACCP	EN12830, HACCP	-
<b>WLAN</b>			
Standard	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n

Online  
monitoring  
system

## Monitors and sounds the alarm: testo 162

### testo 162 loggers in comparison



testo 162 H1



testo 162 H2



testo 162 IAQ

<b>General data</b>			
Brief description	Easy-to-use climate logger with display for monitoring temperature and air humidity with integrated sensor.	Easy-to-use climate logger with display for monitoring temperature and humidity with a connection for using an external temperature and humidity sensors.	Easy-to-use climate logger with display for monitoring temperature, humidity, CO <sub>2</sub> and atmospheric pressure with an integrated sensor.
Order number	0572 1624	0572 1625	0572 1626
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR
<b>General technical data</b>			
Operating temperature	-30 to +50 °C	-30 to +50 °C	-20 to +50 °C
Storage temperature	-40 to +70 °C	-40 to +70 °C	20 to +50 °C
Protection class	IP30	IP54	IP20
Measurement rate & communication rate	1 min to 24 h	1 min to 24 h	1 min to 24h (with continuous power supply) 5 min to 24h (with battery operation)
Memory	10,000 readings/channel	10,000 readings/channel	32,000 sum of all channels
Battery life (at 15 min measurement & communication rate)	1 year	1 year	1 year
Dimensions	115 x 82 x 31 mm	95 x 75 x 30.5 mm	117 x 82 x 32 mm
Weight (including batteries)	240 g	240 g	240 g
<b>Temperature measurement</b>			
Sensor type	NTC internal	NTC	NTC internal
Measuring range	-30 to +50 °C	See technical data connectable probes	0 to +50 °C
Accuracy	±0.5 °C	See technical data connectable probes	±0.5 °C
Resolution	0.1 °C	0.1 °C	0.1 °C
<b>Humidity measurement</b>			
Sensor type	NTC internal	-	-
Measuring range	0 to 100 %RH (non-condensing)	-	0 to 100 %RH (non-condensing)
Accuracy	±5 %RH (0 to <10 %RH) ±3 %RH (10 to <35 %RH) ±2 %RH (35 to <65 %RH) ±3 %RH (65 to <90 %RH) ±5 %RH (90 to 100 %RH) ± 1 %RH hysteresis ± 1 %RH drift per year ± 0.06 %RH/K(0 ... 60 °C)	See technical data connectable probes	±5 %RH (0 to <10 %RH) ±3 %RH (10 to <35 %RH) ±2 %RH (35 to <65 %RH) ±3 %RH (65 to <90 %RH) ±5 %RH (90 to 100 %RH) ± 1 %RH hysteresis ± 1 %RH drift per year ± 0.06 %RH/K(0 ... 60 °C)
Resolution	0.1 %RH	0.1 %RH	0.1 %RH
<b>CO<sub>2</sub> measurement</b>			
Measuring range	-	-	0 to 5000 ppm
Accuracy	-	-	±(50 ppm + 3 % of m.v.) at +25 °C / ±(100 ppm + 3 % of m.v.) at +25 °C (with battery operation)
<b>Atmospheric pressure</b>			
Measuring range	-	-	600 to 1100 mbar
Accuracy	-	-	± 3 mbar at +22 °C
Resolution	-	-	1 mbar
<b>WLAN</b>			
Standard	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n

# Monitors and sounds the alarm: testo 164



Online monitoring system

## testo 164 loggers in comparison



testo 164 T1 data logger NSF-certified



Data loggers testo 164 T1 and testo 164 H1 HACCP-certified



### General data

Brief description	Easy-to-use mini online data logger for automated temperature monitoring with integrated sensor.	Easy-to-use mini online logger for monitoring temperature and air humidity with integrated sensor.	Easy-to-use mini online data logger for monitoring doors (opening and closing).
Order number	0572 1641 xx	0572 1644 xx	0572 1646 xx
Recommended selling price	XX.XX EUR	XX.XX EUR	XX.XX EUR

### General technical data

Operating temperature	30 to +70 °C	-10 to +50 °C	30 to +70 °C
Storage temperature	-30 to +70 °C	-30 to +60 °C	-30 to +70 °C
Protection class	IP67	IP20	IP67
Measurement rate & communication rate	1 min to 24 h	1 min to 24 h	1 min to 24 h
Memory	300 readings	300 readings	300 readings
Voltage supply	Batteries (non-replaceable)	Batteries (non-replaceable)	Batteries (non-replaceable)
Battery life (at 15 min measurement & communication rate)	8 years	8 years	8 years
Dimensions	62.6 x 38 x 17.5 mm	62.6 x 38 x 17.5 mm	62.6 x 38 x 17.5 mm
Weight (including batteries)	15 g	15 g	17 g

### Temperature measurement

Sensor type	digital	digital	Door contact
Measuring range	-30 to +70 °C	-10 to +50 °C	-
Accuracy	±0.5 °C	±0.5 °C	-
Resolution	0.1 °C	0.1 °C	-

### Humidity measurement

Sensor type	-	digital	-
Measuring range	-	0 to 100 %RH (non-condensing)	-
Accuracy	-	<= ±5 %RH (0 to <10 %RH) <= ±3 %RH (10 to <35 %RH) <= ±2 %RH (35 to <65 %RH) <= ±3 %RH (65 to <90 %RH) <= ±5 %RH (90 to <100 %RH) <= ± 1 %RH hysteresis <= ± 1 % RH drift per year <= ± 0.06 %RH/K (0 ... 60 °C)	-
Resolution	-	0.1 %RH	-

### Certificates/approvals

	EN12830, HACCP, NSF	EN12830, HACCP	-
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### Connectivity

Standard	Sub 1 GHz (IEEE 802.15.4)	Sub 1 GHz (IEEE 802.15.4)	Sub 1 GHz (IEEE 802.15.4)
Security	-	-	-
Wireless range (logger to Gateway)	50 to 120m	50 to 120m	50 to 120m



Online  
monitoring  
system



## Monitors and sounds the alarm: testo 164

### testo 164 loggers in comparison



testo 164 Gateway WLAN






testo 164 Gateway Ethernet

<b>General data</b>		
Brief description	The testo 164 GW is the component required to transfer the measurement values from the testo 164 mini online data loggers to the cloud.	The testo 164 GW is the component required to transfer the measurement values from the testo 164 mini online data loggers to the cloud.
Order number	0572 1648 xx	0572 1649 xx
Recommended selling price	XX.XX EUR	XX.XX EUR
<b>General technical data</b>		
Operating temperature	0 to +50 °C	0 to +50 °C
Storage temperature	-30 to +60 °C	-30 to +60 °C
Protection class	IP65	IP42
Measurement rate & communication rate	Permanent connection	Permanent connection
Memory	-	-
Voltage supply	External power 4 x AA backup battery	External power 4 x AA backup battery
Battery life (at 15 min measurement & communication rate)	Switch-off after 10 minutes	Switch-off after 10 minutes
Dimensions	69 x 105 x 29 mm	69 x 119 x 29 mm
Weight (including batteries)	-	-
<b>Temperature measurement</b>		
Sensor type	Data transmission	Data transmission
<b>Connectivity</b>		
Standard	Sub 1 GHz / WLAN	Sub 1 GHz / Ethernet

## Overview of order details: Stationary and mobile data loggers


Product description	Order no.	EUR
<b>testo 174 T</b> Mini temperature data logger with USB-C and PC software	0572 1740 01	XX,XX
<b>testo 174 H</b> Mini data logger for temperature and humidity with USB-C and PC Software	0572 1741 01	XX,XX
<b>testo 174 T BT</b> Mini temperature data logger with app connection	0572 1742 01	XX,XX
<b>testo 174 H BT</b> Mini data logger for temperature and humidity with app connection	0572 1743 01	XX,XX
<b>testo 175 T1</b> Temperature data logger	0572 1751	XX,XX
<b>testo 175 T2</b> Temperature data logger	0572 1752	XX,XX
<b>testo 175 T3</b> Temperature data logger	0572 1753	XX,XX
<b>testo 175 H1</b> Data logger for temperature and humidity	0572 1754	XX,XX
<b>testo 176 T1</b> Temperature data logger	0572 1761	XX,XX
<b>testo 176 T2</b> Temperature data logger	0572 1762	XX,XX
<b>testo 176 T3</b> Temperature data logger	0572 1763	XX,XX
<b>testo 176 T4</b> Temperature data logger	0572 1764	XX,XX
<b>testo 176 H1</b> Data logger for temperature and humidity	0572 1765	XX,XX
<b>testo 176 H2</b> Data logger for temperature and humidity	0572 1766	XX,XX
<b>testo 176 P1</b> Data logger for pressure, temperature and humidity	0572 1767	XX,XX
<b>testo 184 T1</b> USB data logger for temperature	0572 1841	XX,XX
<b>testo 184 T2</b> USB data logger for temperature	0572 1842	XX,XX
<b>testo 184 T3</b> USB data logger for temperature	0572 1843	XX,XX
<b>testo 184 T4</b> USB data logger for temperature	0572 1844	XX,XX
<b>testo 184 H1</b> USB data logger for temperature and humidity	0572 1845	XX,XX

Product description	Order no.	EUR
<b>testo 184 G1</b> USB data logger for shock, humidity and temperature	0572 1846	XX,XX
 <b>testo ComSoft Basic</b> Basic software for programming and reading out Testo data loggers with graphical and tabular display of measured values and Excel export function (included as standard with the testo 174, 175, 176 logger series)	0572 0580	Free download available after registration
 <b>testo ComSoft Professional</b> Professional software for programming, reading and archiving Testo data loggers with extended evaluation and display options	0554 1704	XX,XX
 <b>testo ComSoft 21 CFR Part 11</b> Intuitive and validatable software for the pharmaceutical industry for programming and reading out Testo data loggers and for data archiving. Provides graphical and tabular display, effortless reporting, digital signature and audit trail in accordance with FDA 21 CFR Part 11 requirements.	0554 1705	XX,XX

# Overview of order details:

## Online monitoring system

Product description	Order no.	EUR
<b>testo 160 T</b> Online data logger with integrated temperature sensor	0572 2019	XX,XX
<b>testo 160 TH</b> Online data logger with integrated temperature and humidity sensor	0572 2021	XX,XX
<b>testo 160 E</b> Online data logger with 2 connections for temperature and humidity probes, Lux probe or UV radiation and Lux probe	0572 2022	XX,XX
<b>testo 162 T1</b> Online data logger with display and integrated temperature sensor	0572 1621	XX,XX
<b>testo 162 T2</b> Online data logger with display and 2 connections for NTC temperature probes	0572 1622	XX,XX
<b>testo 162 T3</b> Online data logger with display and 2 connections for TC temperature probes	0572 1623	XX,XX
<b>testo 162 H1</b> Online data logger with display and integrated temperature and humidity sensor	0572 1624	XX,XX
<b>testo 162 H2</b> Online data logger with display and connections for temperature and humidity probes	0572 1625	XX,XX
<b>testo 162 IAQ</b> Online data logger with display and integrated sensors for temperature, humidity, CO2 and atmospheric pressure	0572 1626	XX,XX
<b>testo 162 refrigerator kit</b> Refrigerator kit – for temperature monitoring in refrigerators	0572 1629	XX,XX
<b>testo 164 T1</b> Mini online data logger with integrated temperature sensor	0572 1641 xx	XX,XX
<b>testo 164 H1</b> Mini online data logger with integrated temperature and humidity sensor	0572 1644 xx	XX,XX
<b>testo 164 DC</b> Mini online door contact data logger	0572 1646 xx	XX,XX
<b>testo 164 Gateway WLAN</b> Gateway for mini online data loggers with wireless LAN	0572 1648 xx	XX,XX
<b>testo 164 Gateway Ethernet</b> Gateway for mini online data loggers with Ethernet	0572 1649 xx	XX,XX

Product description	Order no.	EUR
 <b>Data monitoring license</b> for the operation of the wireless data system	0526 5161	XX,XX

Information and further accessories at [www.testo.com](http://www.testo.com)