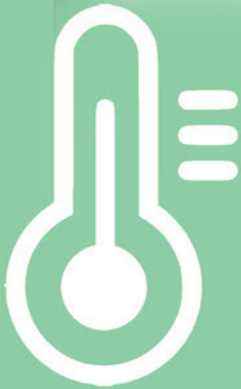




مرکز خدمات مهندسی جنوب

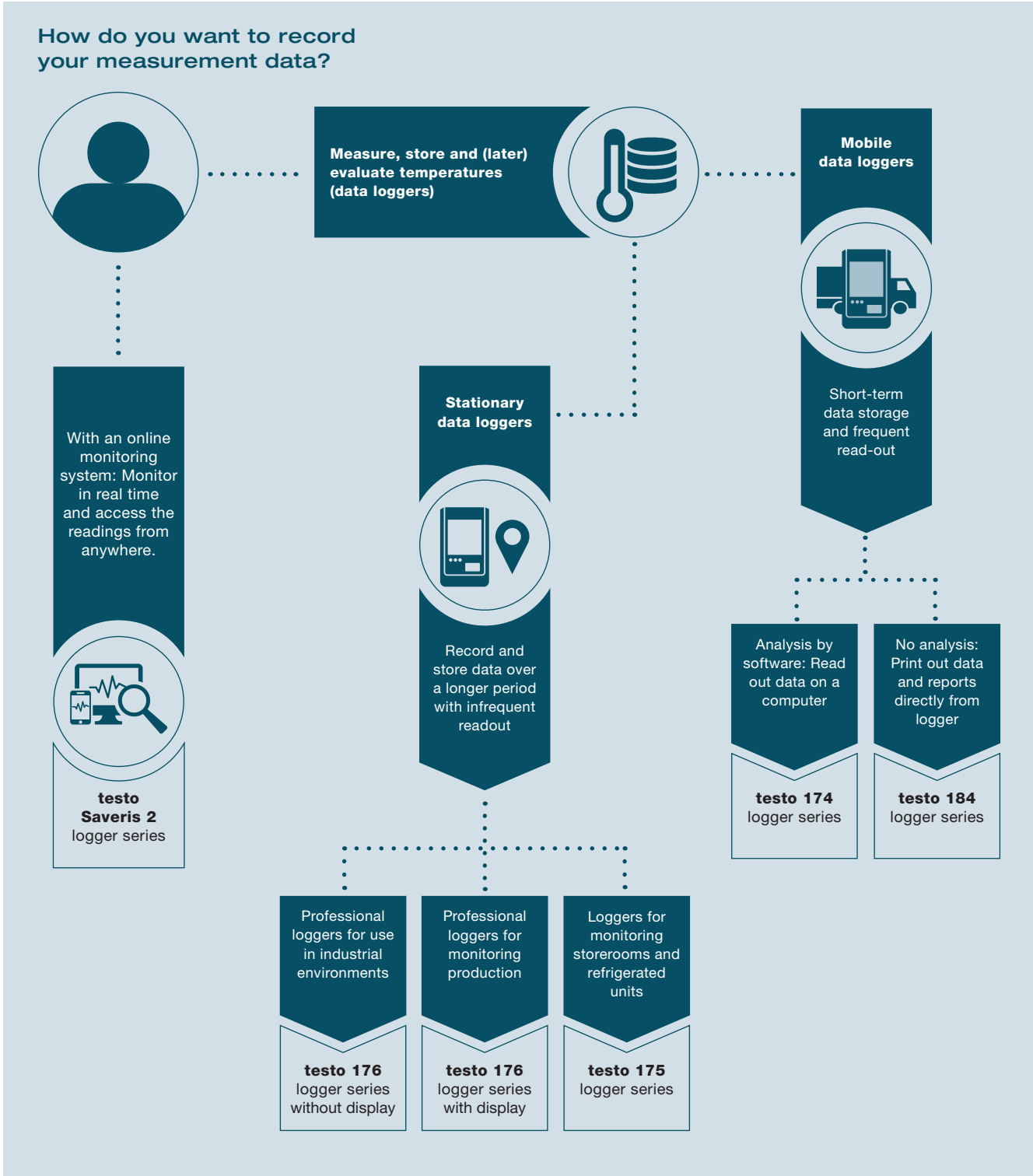
Be sure. **testo**



Measure smarter faster.

All Testo IAQ data loggers at a glance.

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





Ready for use in transport and storage: **testo 174 series**



Mobile data loggers

testo 174 loggers in comparison



All data loggers HACCP-certified



testo 174 T



testo 174 H

General data		
Short description	Mini data logger testo 174 T, 1 channel, incl. wall bracket, batteries (2x CR 2032 lithium) and calibration protocol	Mini data logger testo 174 H, 2 channel, incl. wall bracket, batteries (2 x CR 2032 lithium) and calibration protocol
Order number	0572 1560	0572 6560
Technical data		
Measurement parameter	Temperature	Temperature & humidity
Easy-to-read display	✔	✔
Channels	1 x internal	2 x internal
Measuring range	-30 to +70 °C	-20 to +70 °C/ 0 to 100 %RH
Accuracy	±0.5 °C (-30 to +70 °C)	±0.5 °C (-20 to +70 °C) ±3 %RH (2 %RH to 98 %RH) at +25 °C ±0.03 %RH/K ±1 digit
Resolution	0.1 °C	0.1 °C / 0.1 %RH
Measuring cycle	1 min to 24 h	1 min to 24 h
Memory capacity	16,000 readings	16,000 readings
Interface	USB hub	USB hub
Operating/storage temperature	-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)	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
Protection class	IP 65	IP 20
EN certificate	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



testo 184 T1



testo 184 T2



testo 184 T3

General data			
Short 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
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
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**

testo 184 loggers in comparison



All data loggers
HACCP-certified



testo 184 T4



testo 184 H1



testo 184 G1

General data

Short 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

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
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 (at 15 min. measuring cycle)	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	✗	✗

Stationary
data
loggers



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

testo 175 loggers in comparison



All data loggers
HACCP-certified



testo 175 T1



testo 175 T2

General data		
Short description	1-channel temperature data logger with internal sensor (NTC), incl. wall bracket, lock, batteries and calibration protocol	2-channel temperature data logger with internal (NTC) and external sensor connection (NTC), incl. wall bracket, lock, batteries and calibration protocol
Order number	0572 1751	0572 1752
Technical data		
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 measuring values	1 million measuring values
Interface	Mini USB, SD card slot	Mini USB, SD card slot
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**

testo 175 loggers in comparison



All data loggers
HACCP-certified



testo 175 T3



testo 175 H1

General data		
Short description	2-channel temperature data logger with external sensor connections (TC Type T and Type K) including wall bracket, lock, batteries and calibration protocol	2-channel temperature and humidity data logger with external humidity sensor (NTC/capacitive humidity sensor) including wall bracket, lock, batteries and calibration protocol
Order number	0572 1753	0572 1754
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 measuring values	1 million measuring values
Interface	Mini USB, SD card slot	Mini USB, SD card slot
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	✗	✗

Stationary data loggers



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

testo 176 loggers in comparison



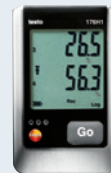
All data loggers HACCP-certified



testo 176 T2



testo 176 T4



testo 176 H1



testo 176 P1

General data				
Short description	2-channel temperature data logger with connections for high-precision external sensors (Pt100), incl. wall bracket, lock, battery and calibration protocol	4-channel temperature data logger with external sensor connections (TC Type T, Type K and Type J), including wall bracket, battery and calibration protocol	4-channel temperature and humidity data logger with external sensor connections (NTC/ capacitive humidity sensor), including wall bracket, lock, battery 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 and calibration protocol
Order number	0572 1762	0572 1764	0572 1765	0572 1767
Technical data				
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 measuring values	2 million measuring values	2 million measuring values	2 million measuring values
Interface	Mini USB, SD card slot	Mini USB, SD card slot	Mini USB, SD card slot	Mini USB, SD card slot
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	✗	✗



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



Stationary
data
loggers

testo 176 loggers in comparison



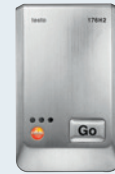
All data loggers
HACCP-certified



testo 176 T1



testo 176 T3



testo 176 H2

General data			
Short description	1-channel temperature data logger in a metal housing with high-precision internal sensor (Pt100) including wall bracket, lock and battery	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	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
Order number	0572 1761	0572 1763	0572 1766
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 measuring values	2 million measuring values	2 million measuring values
Interface	Mini USB, SD card slot	Mini USB, SD card slot	Mini USB, SD card slot
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 monitoring system



Monitors and provides alarms: **testo Saveris 2**

testo Saveris 2 loggers in comparison



testo Saveris 2-T1



testo Saveris 2-T2



testo Saveris 2-T3

General data			
Short description	Radio data logger (wireless LAN) with display and internal NTC temperature sensor, including USB cable, wall bracket, batteries and calibration protocol	Radio data logger (wireless LAN) with display for measuring temperature, two connections for external NTC temperature probes or door contacts, incl. USB cable, wall bracket, batteries and calibration certificate	Radio data logger (wireless LAN) with display for measuring temperature, two connections for external TC temperature probes (Types K,T,J) including USB cable, wall bracket, batteries and calibration protocol
Order number	0572 2031	0572 2032	0572 2033
Technical data			
Measurement parameter	Temperature	Temperature	Temperature
High accuracy and large measuring range	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channels	1x NTC internal	2x NTC external	2x thermocouple Type K/J/T external
Measuring range	-30 to +50 °C	-50 to +150 °C	-195 to +1350 °C (Type K) -100 to +750 °C (Type J) -200 to +400 °C (Type T)
Accuracy	±0.5 °C	±0.3 °C	±(0.5 + 0.5% of m.v.) °C
Resolution	0.1 °C	0.1 °C	0.1 °C
Measuring cycle	Dependent on the Cloud licence Basic: 15 min to 24 h Advanced: 1 min to 24 h	Dependent on the Cloud licence Basic: 15 min to 24 h Advanced: 1 min to 24 h	Dependent on the Cloud licence Basic: 15 min to 24 h Advanced: 1 min to 24 h
Radio frequency	2.4 GHz (IEEE 802.11 b/g/n)	2.4 GHz (IEEE 802.11 b/g/n)	2.4 GHz (IEEE 802.11 b/g/n)
Transmission interval	1 min to 24 h (15 min default)	1 min to 24 h (15 min default)	1 min to 24 h (15 min default)
Operating/storage temperature	-30 to +50 °C/-40 to +50 °C	-30 to +50 °C/-40 to +50 °C	-30 to +50 °C/-40 to +50 °C
Battery life	12 months	12 months	12 months
Dimensions/weight	95 x 75 x 30.5 mm / 240 g	95 x 75 x 30.5 mm / 240 g	95 x 75 x 30.5 mm / 240 g
Protection class	IP 65	IP 65	IP 54
EN certificate	EN 12830	EN 12830	<input type="checkbox"/>



Online
monitoring
system

testo Saveris 2 loggers in comparison



All data loggers
HACCP-certified



testo Saveris 2-H1



testo Saveris 2-H2

General data		
Short description	Radio data logger (wireless LAN) with display for measuring temperature and relative humidity, internal capacitive humidity sensor, including USB cable, wall bracket, batteries and calibration protocol	Radio data logger (wireless LAN) with display for measuring temperature and relative humidity, connection for one external humidity probe, including USB cable, wall bracket, batteries and calibration protocol
Order number	0572 2034	0572 2035
Technical data		
Measurement parameter	Temperature & humidity	Temperature & humidity
High accuracy and large measuring range	-	-
Channels	1x NTC/humidity internal	1x NTC /humidity external
Measuring range	-30 to +50 °C 0 to 100 %RH	dependent on probe
Accuracy	±0.5 °C / ±2 %RH	dependent on probe
Resolution	0.1 °C / 0.1 %RH	0.1 °C / 0.1 %RH
Measuring cycle	Dependent on the Cloud licence Basic: 15 min to 24 h Advanced: 1 min to 24 h	Dependent on the Cloud licence Basic: 15 min to 24 h Advanced: 1 min to 24 h
Radio frequency	2.4 GHz (IEEE 802.11 b/g/n)	2.4 GHz (IEEE 802.11 b/g/n)
Transmission interval	1 min to 24 h (15 min default)	1 min to 24 h (15 min default)
Operating/storage temperature	-30 to +50 °C/-40 to +50 °C	-30 to +50 °C/-40 to +50 °C
Battery life	12 months	12 months
Dimensions/weight	115 x 82 x 31 mm / 240 g	95 x 75 x 30.5 mm / 240 g
Protection class	IP 30	IP 54
EN certificate	-	-

Overview of order data.

Product description	Order no.
testo 174 T mini data logger for temperature	0572 1560
testo 174 H mini data logger for temperature and humidity	0572 6560
testo 175 T1 data logger for temperature	0572 1751
testo 175 T2 data logger for temperature	0572 1752
testo 175 T3 data logger for temperature	0572 1753
testo 175 H1 data logger for temperature and humidity	0572 1754
testo 176 T1 data logger for temperature	0572 1761
testo 176 T2 data logger for temperature	0572 1762
testo 176 T3 data logger for temperature	0572 1763
testo 176 T4 data logger for temperature	0572 1764
testo 176 H1 data logger for temperature and humidity	0572 1765
testo 176 H2 data logger for temperature and humidity	0572 1766
testo 176 P1 data logger for pressure, temperature and humidity	0572 1767

Product description	Order no.
testo 184 T1 USB data logger for temperature	0572 1841
testo 184 T2 USB data logger for temperature	0572 1842
testo 184 T3 USB data logger for temperature	0572 1843
testo 184 T4 USB data logger for temperature	0572 1844
testo 184 H1 USB data logger for temperature and humidity	0572 1845
testo 184 G1 USB data logger for shock, humidity and temperature	0572 1846
testo Saveris 2-T1 radio data logger with display and built-in NTC temperature probe	0572 2031
testo Saveris 2-T2 radio data logger with display and 2 connections for NTC temperature probes	0572 2032
testo Saveris 2-T3 radio data logger with display and 2 connections for TE temperature probes	0572 2033
testo Saveris 2-H1 radio data logger with display and built-in temperature and humidity probe	0572 2034
testo Saveris 2-H2 radio data logger with display and built-in temperature and humidity probe and one external humidity probe	0572 2035

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