

WiFi data logger system

testo Saveris 2 – temperature and humidity monitoring re-thought

Data transfer by wireless LAN

All measurement data always available, anywhere, on any instrument

Alarms when limit values are violated

With testo Saveris 2 App for easier configuration, push alarms and WiFi range analysis

Cost-free online data store (Testo Cloud)



°C

%RH

48.3

testo Saveris 2 App
for free download

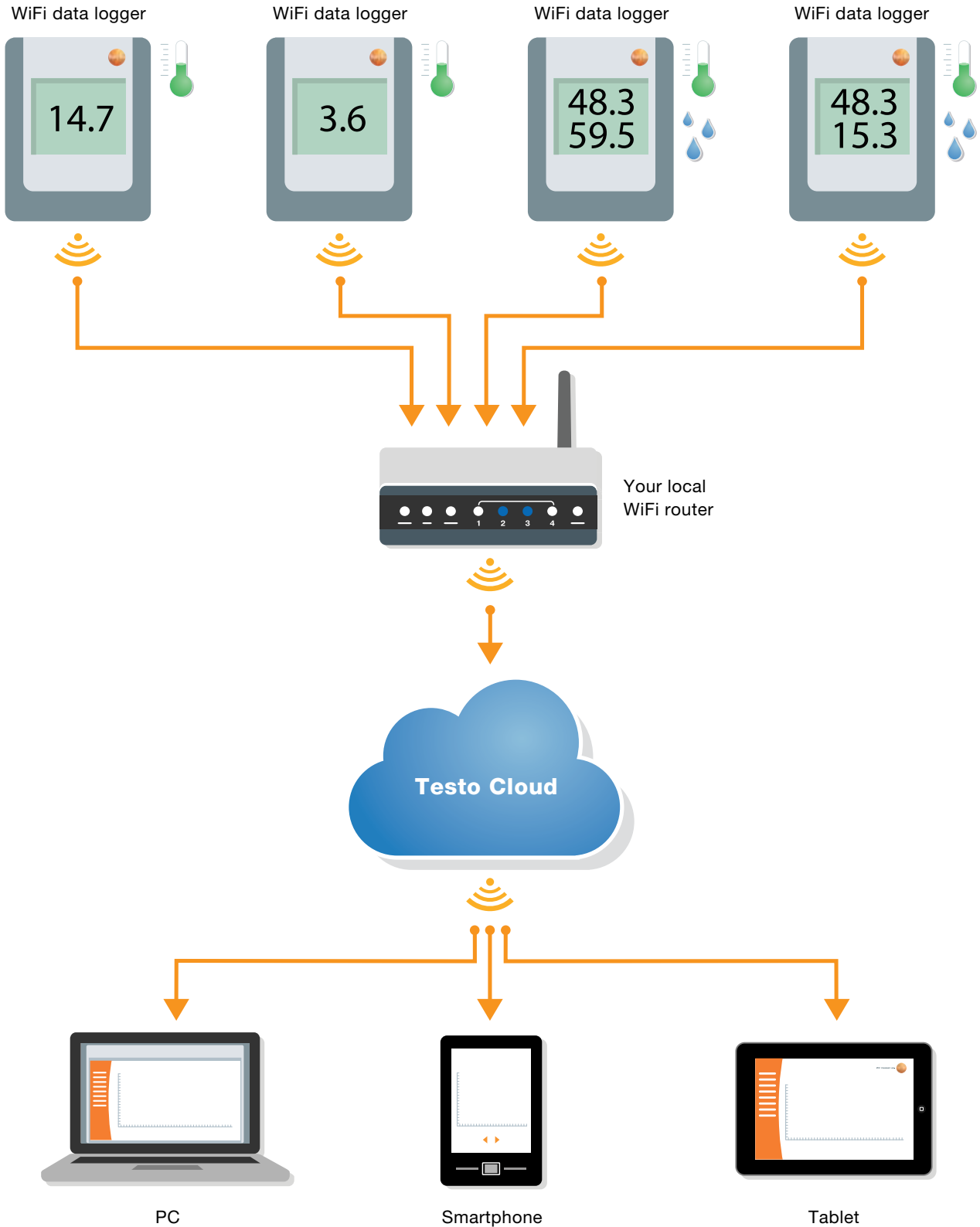


The testo Saveris 2 WiFi data logger system is the modern solution for monitoring temperature and humidity values in storerooms and work rooms. The system consists of WiFi data loggers, the testo Saveris 2 App and a Testo Cloud access. It can be quickly and easily commissioned and configured, via the Cloud and without software analysis. With the App you can easily integrate several loggers parallel into your wireless LAN. The WiFi data loggers reliably record temperature and humidity at adjustable intervals and transmit the measurement values directly by wireless LAN to the Testo Cloud. In the App you can see at any time whether wireless LAN is available at all measurement sites.

The readings stored in the Cloud can be analyzed at any time, anywhere, using an internet-enabled smartphone, tablet or PC. Limit value violations are immediately reported by e-mail, optionally by SMS or via the App as a push notification. The data loggers store up to 10000 readings per channel. The display provides information about current readings, violations of limit values and the remaining battery life. The batteries have a lifetime of 24 months, and can be exchanged at any time by the user.

Temperature and humidity monitoring re-thought.

With the data logger system testo Saveris 2, you have climatic conditions easily under control – wherever you happen to be.



Ordering data WiFi data loggers

testo Saveris 2-T1

testo Saveris 2-T1; WiFi data logger (wireless LAN) with display and internal NTC temperature sensor, incl. USB cable, wall bracket, batteries and calibration protocol



Part no. 0572 2001

testo Saveris 2-H1

testo Saveris 2-H1; WiFi data logger (wireless LAN) with display for measuring temperature and relative humidity, capacitive internal humidity sensor, incl. USB cable, wall bracket, batteries and calibration protocol



Part no. 0572 2004

testo Saveris 2-T2

testo Saveris 2-T2; WiFi 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 protocol



Part no. 0572 2002

testo Saveris 2-H2

testo Saveris 2-H2; WiFi data logger (wireless LAN) with display for measuring temperature and relative humidity, connection for one external humidity probe, incl. USB cable, wall bracket, batteries and calibration protocol



Part no. 0572 2005

testo Saveris 2-T3

testo Saveris 2-T3; WiFi data logger (wireless LAN) with display for measuring temperature, two external connections for TC temperature probes (Types K, T, J) incl. USB cable, wall bracket, batteries and calibration protocol



Part no. 0572 2003

testo Saveris 2 - set for temperature monitoring in refrigerators

testo Saveris 2-T2; WiFi data logger (wireless LAN) with display for measuring temperature, two connections for external NTC temperature probe or door contact, incl. two ribbon cable temperature probes, two temperature simulation flasks for filling with glycol, USB cable, wall bracket, batteries and calibration protocol



Part no. 0572 2103



testo Saveris 2 App

With the App for iOS and Android, you now operate the wireless LAN data logger system testo Saveris 2 even more easily and flexibly.

More efficient commissioning:

- Easy recognition and selection of the WiFi network
- Faster parallel commissioning of several loggers

Easy network analysis:

- Test the strength and range of your WiFi network
- Create and send status reports

Reliable alarm functions:

- Push notifications of limit value violations
- Overview of expired alarms

Please note that to use the WiFi data logger system testo Saveris 2, a WiFi data logger, a registration in the Testo Cloud (www.saveris.net), and a wireless LAN-capable network are absolutely necessary.



testo Saveris 2 Cloud

Our packages

The Testo Cloud is the central operating element for setting up your testo Saveris 2 system. Here you can configure your WiFi data loggers, set limit value alarms and evaluate your measurement data. In order to have access to the Testo Cloud, you must first register at www.saveris.net.

Depending on the desired range of functions for the use of the Testo Cloud, you have a choice between the free Basic and the more extensive Advanced functionality.

In both packages, you have access to an API interface, in order to export measurement data to your systems.

**Purchase by December 31. 2016
and use Advanced functions
free for 1 year.**

	Basic	Advanced		
Measurement rate	15 mins. (fixed)	1 min. to 24 h (flexible)		
Communication rate	15 mins. (fixed)	1 min. to 24 h (flexible)		
Data storage	max. 3 months	max. 2 years		
Reports	Manual (.pdf/.csv)	manual (.pdf/.csv) automatic (.pdf/.csv)		
Data analysis	For one measurement channel each	For up to 10 channels simultaneously		
Number of users per account	1	10		
Number of WiFi data loggers per account	Unlimited	Unlimited		
E-mail alarms	Yes	Yes		
System notifications	<ul style="list-style-type: none"> • Notification of low battery • WiFi connection interrupted • Power supply interrupted 	<ul style="list-style-type: none"> • Notification of low battery • WiFi connection interrupted • Power supply interrupted 		
		12 months Part no. 0526 0735	24 months Part no. 0526 0732	36 months Part no. 0526 0733
SMS alarms	No	25 SMS per logger	50 SMS per logger	75 SMS per logger
SMS options	no SMS purchasable	packages of 250 purchasable in the Cloud		


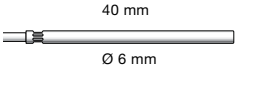

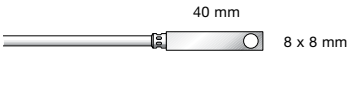
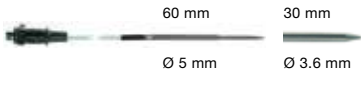

Accessories

Additional accessories	Part no.
Door contact or WiFi data logger testo Saveris 2-T2	0572 2152
Mains unit for testo Saveris 2 WiFi data loggers	0572 2020
Battery for radio probe (4 AA alkali manganese mignon batteries)	0515 0414
Batteries for operating WiFi data loggers testo Saveris 2 below -10 °C (4 Energizer L91 Photo lithium)	0515 0572
ISO calibration certificate temperature; temperature probe; calibration points -18 °C; 0 °C; +40 °C per channel/instrument	0520 0153
DAkkS calibration certificate/temperature; temp. data logger; cal. points -18 °C; 0 °C; +40 °C; per channel/instrument	0520 0262
ISO calibration certificate humidity; calibration points 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	0520 0076
DAkkS calibration certificate humidity; humidity probe; cal. points 11.3 %RH and 75.3 %RH at +25 °C; per channel/instrument	0520 0246

Technical data


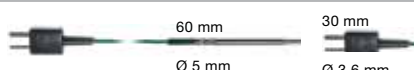
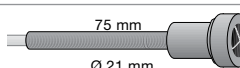

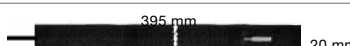

WiFi data loggers	testo Saveris 2-T1	testo Saveris 2-T2	testo Saveris 2-T3			testo Saveris 2-H1	testo Saveris 2-H2
Temperature measurement							
Sensor type	NTC internal	NTC	TC Type K	TC Type J	TC Type T	NTC internal	NTC
Measuring range	-30 to +50 °C	-50 to +150 °C	-195 to +1350 °C	-100 to +750 °C	-200 to +400 °C	-30 to +50 °C	-30 to +70 °C
Accuracy ±1 digit	±0.5 °C	±0.3 °C	±(0.5 + 0.5 % of m.v.)°C			±0.5 °C	±0.3 °C
Resolution	0.1 °C						
Humidity measurement							
Measuring range	-					0 to 100 %RH	Measuring range and accuracy depending on probe
Accuracy	-					±2 %RH	
Resolution	-					0.1 %RH	
Temperature/humidity measurement with external probes							
Connection of external probes	-	External temperature probes	External temperature probes			-	External humidity/temperature probes
Operating temperature	-30 to +50 °C						
Storage temperature (incl. batteries)	-40 to +70 °C						
Protection class	IP65	IP65	IP54			IP30	IP54
Measuring rate	Basic: 15 mins (fixed) / Advanced: 1 min to 24 h (flexible)						
Communication interval	Basic: 15 mins (fixed) / Advanced: 1 min to 24 h (flexible)						
Memory	10000 measurement values/channel						
Norms / permits	EN 12830	EN 12830	-				
Battery life	24 months at +25 °C and 15 mins measurement and communication interval at -30 °C and 15 mins measurement and communication interval with Energizer batteries 0515 0572						
Voltage supply	4 x AA AIMn batteries; mains unit optional; for temperatures below -10 °C please use Energizer batteries 0515 0572						
Dimensions	95 x 75 x 30.5 mm						
Weight (incl. batteries)	240 g						
Door contact	no	optional	no				

Temperature probes for testo Saveris 2-T2

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t ₉₉	Part no.
Stub probe, IP 54	 <p>35 mm Ø 3 mm</p>	-20 to +70 °C	±0.2 °C (-20 to +40 °C) ±0.4 °C (+40.1 to +70 °C)	15 s	0628 7510
Stationary probe with aluminium sleeve, IP 65, Fixed cable 2.4 m	 <p>40 mm Ø 6 mm</p>	-30 to +90 °C	±0.2 °C (0 to +70 °C) ±0.5 °C (remaining range)	190 s	0628 7503
Accurate immersion/penetration probe, 6m cable, IP 67, Fixed cable	 <p>40 mm Ø 3 mm Ø 3 mm</p>	-35 to +80 °C	±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	5 s	0610 1725
Probe for surface measurement, Fixed cable, 2 m	 <p>40 mm 8 x 8 mm</p>	-50 to +80 °C	±0.2 °C (0 to +70 °C)	150 s	0628 7516
Penetration probe NTC with ribbon cable, cable length 2 m, IP 54, Fixed cable,	 <p>60 mm 30 mm Ø 5 mm Ø 3.6 mm</p>	-40 to +125 °C	±0.5 % of m.v. (+100 to +125 °C) ±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	8 s	0572 1001
Pipe wrap probe with Velcro for pipe diameter to max. 75 mm, Tmax. +75 °C, NTC, Fixed cable	 <p>300 mm</p>	-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)	60 s	0613 4611




Find more probes at www.testo.com!

Temperature probes for testo Saveris 2-T3

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t ₉₉	Part no.
Stationary probe with stainless steel sleeve, TC Type K	 40 mm Ø 6 mm Connection: Fixed cable 1.9 m	-50 to +205 °C	Class 2*	20 s	0628 7533
Penetration probe TC with ribbon cable, Type K, cable length 2 m, IP 54	 60 mm 30 mm Ø 5 mm Ø 3.6 mm	-40 to +220 °C	Class 1	7 s	0572 9001
Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces, TC Type K	 75 mm Ø 21 mm Connection: Fixed cable 1.6 m	-50 to +400 °C	Class 2*		0602 4892
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term up to +280 °C, TC Type K	 Connection: Fixed cable 1.2 m	-60 to +130 °C	Class 2*	5 s	0602 4592
Pipe wrap probe with velcro strip; for temperature measurement on pipes with diameter up to max. 120 mm; Tmax. +120 °C; TC Type K	 395 mm 20 mm Connection: Fixed cable 1.5 m	-50 to +120 °C	Class 1*	90 s	0628 0020
Flexible, low-mass immersion measurement tip, ideal for measurements in small volumes such as petri dishes, or for surface measurements (e.g. attached with adhesive tape), TC Type K, 2 m, FEP insulated thermal wire, temperature proof up to 200 °C, oval wire with dimensions: 2.2 mm x 1.4 mm	 Ø 0.25 mm 500 mm	-200 to +1000 °C	Class 1*	1 s	0602 0493

*According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).

Humidity/temperature probes for testo Saveris 2-H2

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Part no.
Humidity/temperature probe 12 mm		-20 to +70 °C 0 to 100 %RH	±0,3 °C ±2 %RH at +25 °C (2 to 98 %RH) ±0,03 %RH/K ± 1 digit	0572 6172
Humidity/temperature probe 4 mm		0 to +40 °C 0 to 100 %RH	±0,3 °C ±2 %RH at +25 °C (2 to 98 %RH) ±0,08 %RH/K ± 1 digit	0572 6174
External humidity/temperature probe 12 mm, plug-in, without cable	 16 mm Ø 12 mm	-30 to +50 °C 0 to 100 %RH	±0,3 °C ±2 %RH	0572 2151

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