

## 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

---

testo Saveris 2-T1 and -T2 DIN EN 12830 compliant

---

Cost-free online data store (Testo Cloud)

---



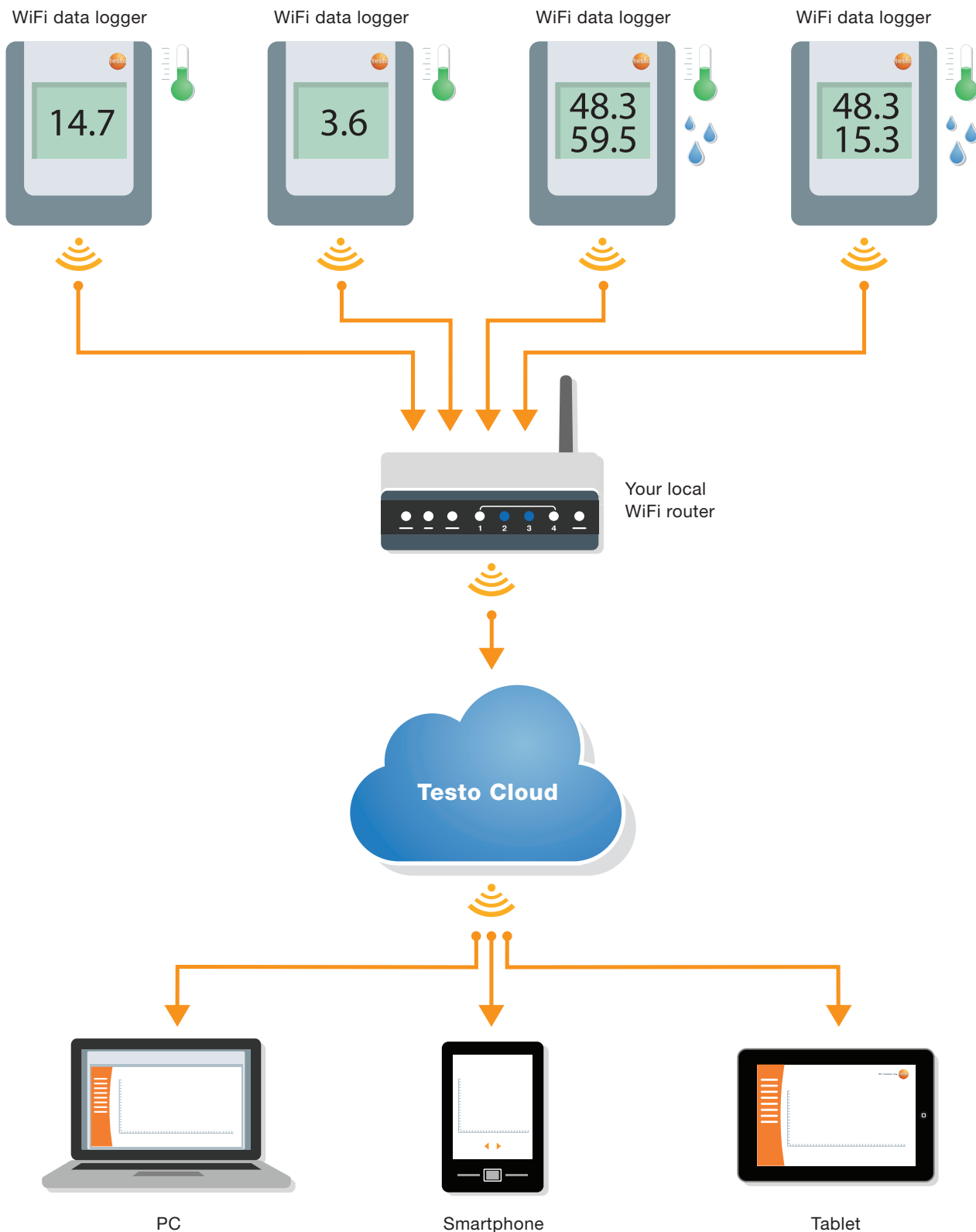
The WiFi data logger system testo Saveris 2 is the modern solution for the monitoring of storage and work rooms. The system consists of WiFi data loggers and an access to the Testo Cloud. It can be commissioned and configured easily and quickly without software installation via the Cloud.

The WiFi data loggers reliably record temperature and humidity at defined intervals, and transmit the measurement values directly by wireless LAN to the Testo Cloud.

The measurement values stored in the Cloud can be evaluated anywhere and any time using an internet-capable smartphone, tablet or PC. Limit value violations are immediately reported by e-mail or optionally by SMS. The data loggers store up to 10000 measurement values per channel. The display provides information on current measurement values, limit value violations and the remaining battery life. The batteries have a lifetime of 24 months and can be exchanged 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



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](http://www.saveris.net)), and a wireless LAN-capable network are absolutely necessary.



## testo Saveris 2 Cloud

### Our packages

In order to use the Testo Cloud according to your special needs, you can select between the cost-free Basic and the more comprehensive Advanced functionality.

The Testo Cloud is also the central operating element of your system. First register at [www.saveris.net](http://www.saveris.net). In the Cloud, you can then configure your WiFi data loggers, set limit value alarms and evaluate your measurement data.

**Order by 31. Dec. 2015 –  
and receive the Advanced  
functionality free of charge.**

	<b>Basic*</b>	<b>Advanced*</b>
<b>Measurement rate</b>	15 mins. (fixed)	1 min. to 24 h (flexible)
<b>Communication rate</b>	15 mins. (fixed)	1 min. to 24 h (flexible)
<b>Data storage</b>	For up to 3 months (wrap-around memory)	For up to 12 months (wrap-around memory)
<b>Reports</b>	Manual (.pdf/.csv)	manual (.pdf/.csv) automatic (.pdf/.csv)
<b>Data analysis</b>	For one measurement channel each	For up to 10 channels simultaneously
<b>Number of users per account</b>	Max. 1	Max. 5
<b>Number of WiFi data loggers per account</b>	Unlimited	Unlimited
<b>E-mail alarms</b>	Yes	Yes
<b>SMS alarms</b>	No	Includes 25 SMS per logger/year
<b>System notifications</b>	Notification of low battery	<ul style="list-style-type: none"> <li>• Notification of low battery</li> <li>• WiFi connection interrupted</li> <li>• Power supply interrupted</li> </ul>

\* The performance range of the free Cloud access can be subject to future adaptation for technological reasons – however not before 4 years after activation.


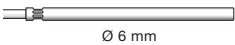
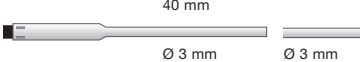



## Accessories

Additional accessories	Part no.
SMS package, 250 SMS alarms	0572 2498
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



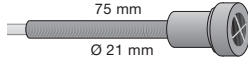
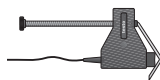
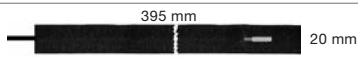

WiFi data loggers	testo Saveris 2-T1	testo Saveris 2-T2	testo Saveris 2-T3			testo Saveris 2-H1	testo Saveris 2-H2
<b>Temperature measurement</b>							
Sensor type	NTC internal	NTC	TC Type K	TC Type J	TC Type T	NTC internal	NTC
Measuring range	-30 to +50 °C	-50 to +150 °C	-195 to +1350 °C	-100 to +750 °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						
<b>Humidity measurement</b>							
Measuring range	-					0 to 100 %RH	Measuring range and accuracy depending on probe
Accuracy	-					±2 %RH	
Resolution	-					0.1 %RH	
<b>Temperature/humidity measurement with external probes</b>							
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 <sub>99</sub>	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
Stationary probe with aluminium sleeve, IP 65, Fixed cable 2.4 m	 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
Accurate immersion/penetration probe, 6m cable, IP 67, Fixed cable	 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
Probe for surface measurement, Fixed cable, 2 m	 40 mm 8 x 8 mm	-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,	 60 mm    30 mm Ø 5 mm    Ø 3.6 mm	-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	 300 mm	-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](http://www.testo.com)!

## Temperature probes for testo Saveris 2-T3

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t <sub>99</sub>	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

Find more probes at [www.testo.com!](http://www.testo.com!)

