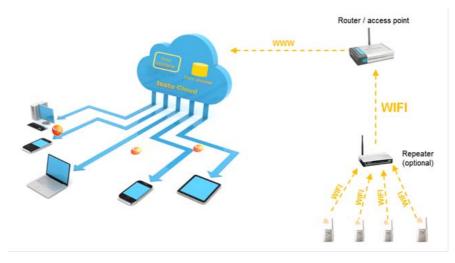
testoSaveris 2Probe User Manual

testo Saveris 2Introduction

testo Saveris 2 system is upgrading product basing on testo Saveris system. In original system, wireless probes transfer measurement data to Saveris base through local area network, testo professional software manages data and supply service on data record and monitor. In Saveris 2 system, data transfer from Internet basing on Qualcomm new Wi-Fitechnology, probes can communicate with the cloud through wireless router. Customer can visit testo cloud anywhere and anytime. Check real time measurement data inside his account. And can also use APP to achieve same functions.

Testo Saveris 2 system include testo cloud and five Wi-Fi probes.





testo Saveris 2 Application

- > Medicine production, quality inspection and storage monitor
- > Building surrounding measurement and monitor
- > Development, laboratory, hospital surrounding measurement and monitor
- > Food cold chain measurement and monitor
- > Plant production, transfer and storage measurement and monitor

testoSaveris 2 Probes

Testo Saveris has five Wi-Fi probes: T1, T2, T3, H1 and H2.

Saveris T1 has inside temperature sensor, can continuously measure and record surrounding temperature and transfer to cloud website. Saveris T1 passed EN12830 approval can use in food industrial surrounding measurement and monitor.



Saveris T2 can support two channel external temperature probe, can continuously measure and record surrounding temperature and transfer to cloud website. Saveris T2 passed EN12830 approval, can use in food industrial surrounding measurement and monitor.



Saveris T3 support two channel TC probes, can continuously measure and record surrounding temperature and transfer to cloud website.



Saveris H1 has inside temperature sensor and humidity sensor, can continuously measure and record surrounding temperature and transfer to cloud website



Saveris H2support external testo humidity probe, can continuously measure and record surrounding temperature and transfer to cloud website.



testo Saveris 2 Probe technical Data:

type	Saveris T1	Saveris T2	Saveris T3	Saveris H1	Saveris H2
measurem ent	One inside NTC	Two external NTC	Two external TC	One inside humidity	One external humidity
			K type TC: -195…+1350° C	humidity" 0… 100%RH	humidity: 0…100%RH
Measurem ent range	-30+50°C	-50+150 °C	J type TC: -100+750°C	NTC: -30+50°C	NTC: -30+70°C
			T type TC: -200+400°C		
accuracy	±0,5 °C	±0,5 °C	± (0,5 + 0.5%mv) °C	±2% RH,	±2% RH,
				±0,5 °C	±0,5 °C
resolution	0.1°C	0.1°C	0.1°C(-200~99 9.9), others 1°C	0.1°C, 0.1%, 0.1Ctd °C	0.1°C, 0.1%, 0.1Ctd °C
T90 response time	40 minutes	Up to external probe	Up to external probe	10minutes	Up to external probe

testo Saveris 2 Probes Specification:

				_		
type	Saveris T1	Saveris T2	Saveris T3	Saveris H1	Saveris H2	
Order number	0572 2001	0572 2002	0572 2003	0572 2004	0572 2005	
Operate temperate range	-30 … +50 °C	-30 +50 °C	-30 +50 °C	-30 +50 °C	-30 +50 °C	
Storage temperatur e range	-40 … +70 °C	-40 +70 °C	-40 +70 °C	-40 +70 °C	-40 +70 °C	
Measurem ent cycle	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	
Communic ation cycle	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	5s ~ 24hour (default setting 15 min)	
Data memory	10000 data per channel	10000 data per channel	10000 data per channel	10000 data per channel	10000 data per channel	
LCD display	yes	yes	yes	yes	yes	
Battery life	4pcs L91 battery 2 years	4pcs L91 battery 2 years	4pcs L91 battery 2 years	4pcs L91 battery 2 years	4pcs L91 battery 2 years	
Norm	EN12830	EN12830				
accessory	sory battery battery battery battery wall holder Wall holder Wall holder Wall holder Wall holder lock		GP AA battery Wall holder lock USB cable	GP AA battery Wall holder lock USB cable	GP AA battery Wall holder lock USB cable	
Website configurati onactive	yes	yes	yes	yes	yes	

testo Saveris 2 Probes Instruction Manual

Product description:



odevice
②LED
③QR code (probe serial number, cloud website adderess)
④key
⑤wall holder
⑥USB communication cable
⑦lock

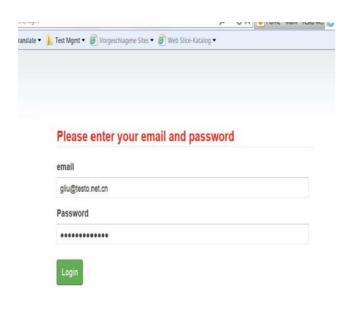
First step

Inserting batteries:

- To open the battery compartment, remove two screws on battery cover by screwdriver.
- > Insert batteries (4x 1.5 V type AA). Observe the polarity!
- > To close the battery compartment, tighten screws by screwdriver.

Probe Configuration

- Visit website: <u>https://intl.saveris2.net/GoToProbe</u>
- > Enter log in page and input personal account and password



Click and enter to Wi-Fi connecting page, click "Connect Wifi-logger", input wireless router SSID and password to connect into internet. In connect successfully, icon swill displayed on Saveris probe LCD.

averis 2							Systemstatus	\checkmark	
	Dashboard		Analyse	& Reports	-		🌲 Alarms-		Configuration
	Welcome in, Gloria Liu	a.							User Management
									Connect WIFI Data Logger
	Messstellen							Rooms	Measuring places groups Probes
	Messstelle	Room	Floorplan					Fiporpla	ins
	messsene	Room							
	T1 TestProbe		Kuche - LNZ	1.00	View	Edit	Delete	-	
		Kitchen			View		Delete		
	T1 TestProbe	Kitchen	Kuche - LNZ	.06					

Click "Probe" o enter configuration page. Set probe basic configuration, input probe number, name, location, measurement cycle, communication cycle, start time and etc....

k/prubes/edit/4				
ht 🗌 Erste Schritte 🌙 Von Internet Explorer 5 Savorris 2			Systematatus 🧹	
U Gaveris z				
	Dashboard	Analyse & Reports-	Alarms -	Configuration-
	Configure the pr	robe with SN 987654321	List Pro	
	Probe Name'		Discard	
	H2 TestProbe		Linkora	eri -
	Description			
	Measuring Time Slice	[msec]'		
	1809			
	Measuring Point Name	r		
	H2 TestProbe			
	Expert Options			
	Start Day Time Slice' 5			
	Day Communication To	we slice (weec).		
	Start Night Time Slice	6 • 10 •		
	Night Communication	Time Slice (msec)		
	10000			
	Battery Selection Alka	i-Mangan-Mignonzalia 🔹		
	NTP address'			
	pool.nip.org			
	1. Channel: Tem	perature		
	General configuration Channel Name*	E		

Alarm Setting

Click "Alarm" and enter alarm setting page, click"Alarm configuration", set up alarm upper and lower limit value one by one.

						Systemstati		
Das	hboard	A Mill	analyse &	Reports-		Alarms-		Configurati
Pro	be Alert	s			Overvie Alarmo	w onfiguration	ctions	
Settin Name	gs Batterylow Enable	ls Batterydefect Enable	ls Powerfail Enable	Comm Timeout Act Msec	System	nwarning Configurati	an ew / Add	
Settin 1	g 1	1	1	0	Edit	Delete		
Settin 2	g 1	1	1	3600000	Edit	Delete		
Settin 3	g 1	1	1		Edit	Delete		
Settin 4	9 1	1	1		Edit	Delete		
Settin 5	g 1	1	1		Edit	Delete		
Settin 6	g 1	1	1		Edit	Delete		
Settin 7	g 1	1	1		Edit	Delete		
Settin	g 1	1			Edit	Delete		

Dashboard	I Analyse & Reports-	Alarms-	0
Edit Probe Alert Se	tting 1		Actions
Title"			List Probe Alerts
Setting 1			List Probes
Is Batterylow Enable*			List Recipients
			Delete
is Batterydefect Enable*	V		Delete
Is Powerfail Enable*	V		
Comm Timeout Msec*			
0			
Probes			
H1 TestProbe H2 TestProbe		*	
Manuel's 104IR			
MQTTPublisher		*	
Recipient			
Empfänger 1 dahe		^	

Probe Management

After probe configuration, probe list can be found in Saveris system, and also on-time measurement data, Wifi signal status, battery power status.

eris 2						Systemsta	tus:	/ 📃	
	Dashboard	E	Analyse & Report	S*		Alarm	s*		0
	Prob	e list viev	N						
	Туре	Probe Name	Measure Point - Room - Floorplan	Values		Last Values from	Signal Quality		
	testo 104IR/BT	Manuel's 104IR SN: 43500383	Manuels 104R_1				at l		
	Archive			78.10°F	1	19.03.2014 12:00:00			
	T1 - Temperaturfühler	T1_12345678 SN 2269595	71_12345678 - Kitchen - Kopr 5 - 1342 1 043			10.00,000 10.000	all		
	Archive								
	H2 - Feuchte- /	H2 TestProbe SN: 987654321	H2 TestProbe - fridge				atl		
	Temperaturfühler ext.			-					
				-					

Click name of probe and enter probe detailed information page which show detailed measurement status of each channel. Click "configuration", can enter configuration page to modify configuration of probe.

🗌 Erste Schritte 🥃 Von Internet Explorer								
Saveris 2						Systemstatu	s. 🖌 📃	
	Dashboard	I	Analyse	& Report	s-	Alarms-		\$
	Probe de	tails - H	2 TestPro	obe			List Probes	
	Description						Archive	
	Probe Model	H2 - Feuchte-	/ Temperaturlühle	er ext.			Configure	
	Order number	0572 2005					Disconnect	-
	Serial No	987654321					Disconnect	
	Production Date	2014-03-05						
	Signal Quality	(78%)						
	Measlog Timeslic	e 1 s (1 s 864	(a 00					
	Day							
	communication	Start at for 0 s						
		(min max tir	meslice)					
		(60 s 86400	5)					
	Night							
	communication	Start at for 10						
		(min max tir						
	Firmware Version	(60 s 86400 V00 00.10	5)					
	Battery Type	Alkali-Mangar	Managalla					
	Battery Level	(99%)	-wignorizene					
	Power supply abi							
	NTP adress	pool ntp.org						
	nir autess	poornep.org						
	Channel Co	figuration	8 Values					
	Channel Co	ingulation	a values					
	Value from CI	nannel Name	Where?	Display Channel Mode	Plug Type	Probe Channel		
		2 TestProbe_'C	H2 TestProbe - fridge	fix		ext. Temperature (°C)		
		2 estProbe_%/F	H2 TestProbe - fridge	fox		ext. rel Humidity (%rF)		

Measurement Data transfer

After configuration finish, probe can start measurement and transfer data to cloud side. During data transferring, icon 🖾 will be displayed on LCD.

Customer can also scan QR code on front housing of Saveris probe to visit cloud.



Question and Answers:

	* battery power<5%: repalce batteries
0000	* external probes not connected
	* real value out of measurement range

FCC statements:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

When using the product, maintain a distance of 20cm from the body to ensure c ompliance with RF exposure requirements.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is Subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.