



Committing to the future

Data Monitoring for Temperature and Humidity

Automated with testo Saveris™.

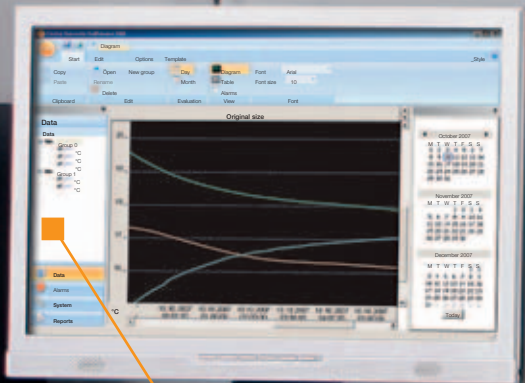


Testo Saveris™: Data and limit value monitoring for temperature and humidity

Testo Saveris is an easy to install radio and Ethernet data monitoring system where temperature and humidity need to be measured continuously.

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- The base unit communicates to measurement probes via Ethernet connection
- Non PC reliant data storage with long term memory and alarm capability
- Communicates with a PC via USB or Ethernet connection
- Provides alarm relay output or SMS alert capability



3

- Easy to install - system can be set up and configured in minutes
- Alarms via e-mail or directly on PC
- Efficient central storage of all measuring data
- Automatic creation of PDF reports



Some applications for temperature and humidity measurement;

- Production control
- HACCP - cold food storage
- Building management
- Research laboratories
- Pharmaceutical research and product storage
- Green houses and horticultural research
- Food retail outlets

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- Accurate and repeatable measurement of temperature and humidity
- Simple installation and commissioning
- Flexible design - System offers radio and Ethernet probes
- Radio probes offer simple installation with no external power requirements
- Security and safety of data via bidirectional radio communication
- Optimised battery life for long term operation
- System can be configured to monitor temperature, humidity or both parameters

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- Minimal manual intervention, you have time to spare
- Testo Saveris measures, documents and issues alarms if limit values are exceeded



testo Saveris™ System overview

testo Saveris radio probe

The testo Saveris radio probes measure temperature and humidity. During the measuring cycle, the probes save recorded data and send it to the base unit at preset intervals. If a limit value is exceeded, a radio link is established immediately. Through bidirectional transmission, the radio probe and the base are in mutual contact. This ensures that the measurement data is only recorded by the base and is not interfered with by other radio signals.

An alarm sounds if the radio link is interrupted by obstacles. The memory in the probe ensures that data is not lost in the event of an interference to the radio link. An optimised battery design ensures long life of the probe memory.

In free space, the transmission path is approx. 300m at a frequency of 868 MHz and approx. 100m at a frequency of 2.4 GHz. In buildings, the transmission path is influenced by structural conditions such as walls, refrigerator doors or metal doors. The radio link can be improved or lengthened by using a router. Because the radio probe and the router show the quality of their radio link, the probe can be positioned optimally by the user.

Probe versions with internal and external sensors allow adaptation for every application. The radio probes are available with or without a display. Current measurement data, the battery status and the quality of the radio link are shown on the display.

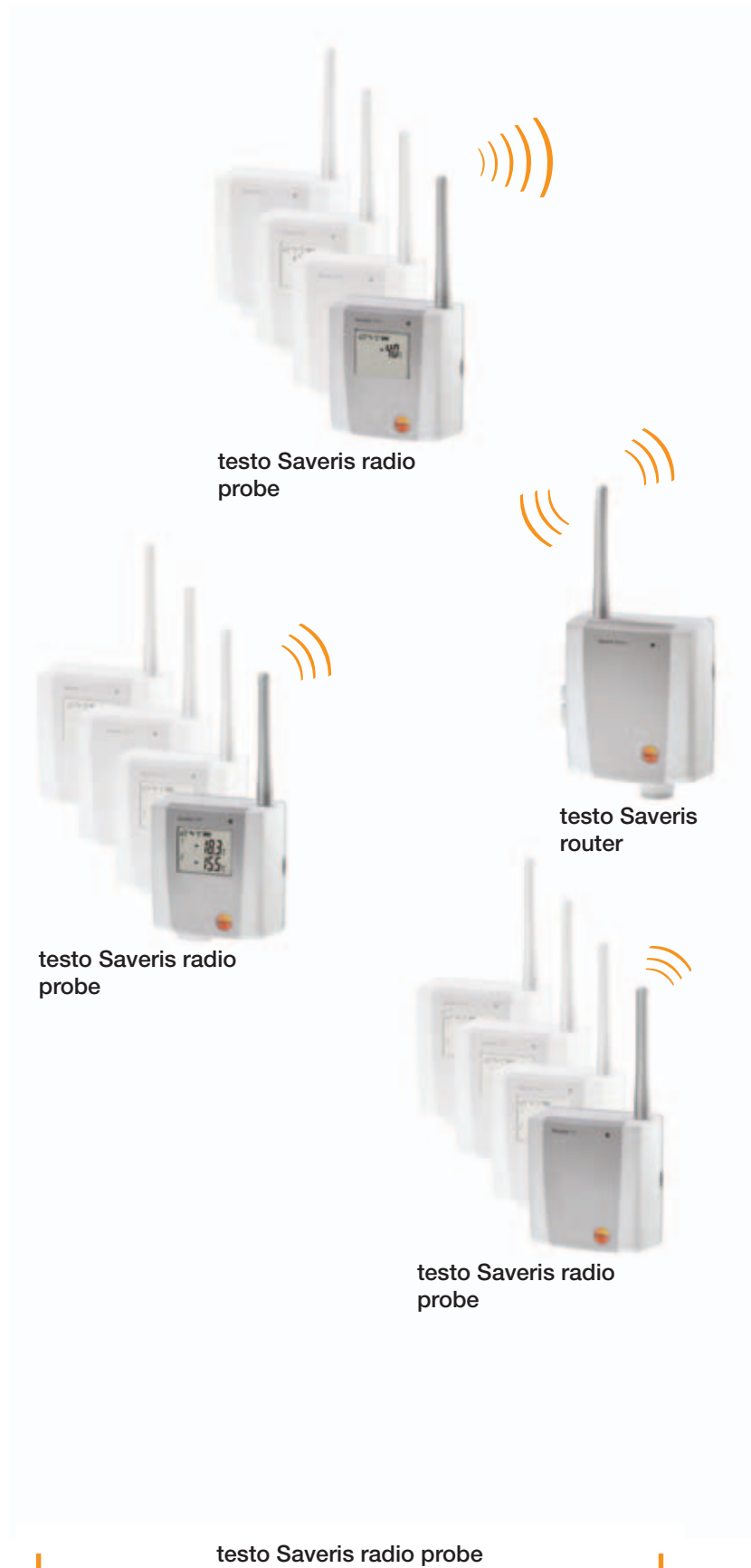
testo Saveris Ethernet probe

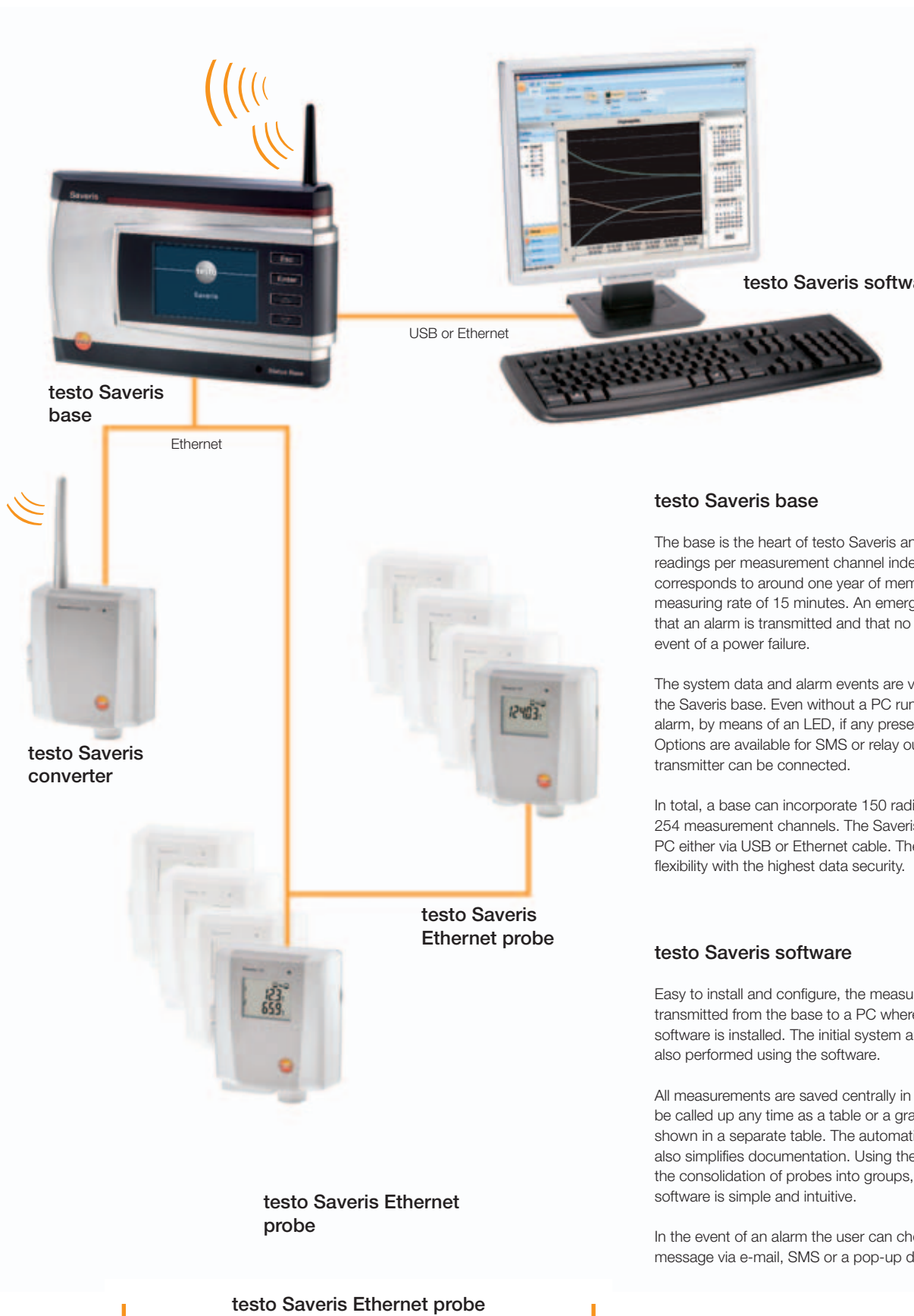
In addition to the radio probes, probes can be directly connected to the Ethernet. An existing LAN infrastructure can be used for this, allowing the data transfer from the probe to the base, even over long distances.

Ethernet probes can be used indefinitely since they are connected to the mains and therefore work independently of batteries. The internal memory guarantees that existing measurement data is not lost, even with failure of the mains or the LAN connection.

The display shows the current measurement data as well as the probe status.

Through the connection of a converter to an Ethernet jack, the signal of a radio probe can be converted into an Ethernet signal. This combines the flexible connection of the radio probe with the use of an existing Ethernet system even over long transmission paths.





testo Saveris base

The base is the heart of testo Saveris and can save 40,000 readings per measurement channel independent of the PC. This corresponds to around one year of memory capacity at a measuring rate of 15 minutes. An emergency battery ensures that an alarm is transmitted and that no existing data is lost in the event of a power failure.

The system data and alarm events are visible via the display of the Saveris base. Even without a PC running the base issues an alarm, by means of an LED, if any preset limit value is exceeded. Options are available for SMS or relay output to which an alarm transmitter can be connected.

In total, a base can incorporate 150 radio and Ethernet probes or 254 measurement channels. The Saveris base is connected to a PC either via USB or Ethernet cable. The Saveris base offers flexibility with the highest data security.

testo Saveris software

Easy to install and configure, the measurement data is transmitted from the base to a PC where the testo Saveris software is installed. The initial system and probe configuration is also performed using the software.

All measurements are saved centrally in database format and can be called up any time as a table or a graph. All alarm events are shown in a separate table. The automatic creation of PDF reports also simplifies documentation. Using the calendar function and the consolidation of probes into groups, the operation of the software is simple and intuitive.

In the event of an alarm the user can choose between receiving a message via e-mail, SMS or a pop-up directly on the PC screen.

Examples of applications for **testo Saveris**TM



Production, quality assurance and storage

In industrial plants, a vast amount of quality data must be recorded in the production, quality assurance and storage of products. testo Saveris automates the documentation of this data and issues alarms if limit values are exceeded. Products and processes are thus secured at a stable level.

testo Saveris is ideal to use for monitoring and documenting climate and temperature data in the manufacturing sector, in store rooms, refrigerators and air conditioning chambers. The most varied applications are optimally covered by testo Saveris radio probes or Ethernet probes



Günter Ruf, Chairman of the Board of Directors
Straub Druck + Medien AG

“With testo Saveris, I have the perfect overview over all temperature and humidity data in processes and in the environment. The immediate issue of alarms provides me with important safety.”

Research and development, laboratories and hospitals

Research and development areas such as laboratories are responsible for recording environmental and process data to monitor sensitive products and machines. testo Saveris takes on the central documentation of these measurements.

testo Saveris guarantees the simple and secure monitoring of climate and process data in air conditioning chambers, refrigerators, drying chambers or test benches. Thanks to quick and easy installation of testo Saveris, the system is suitable for short-term and long-term data recording.





Monitoring the foodstuff cooling chain

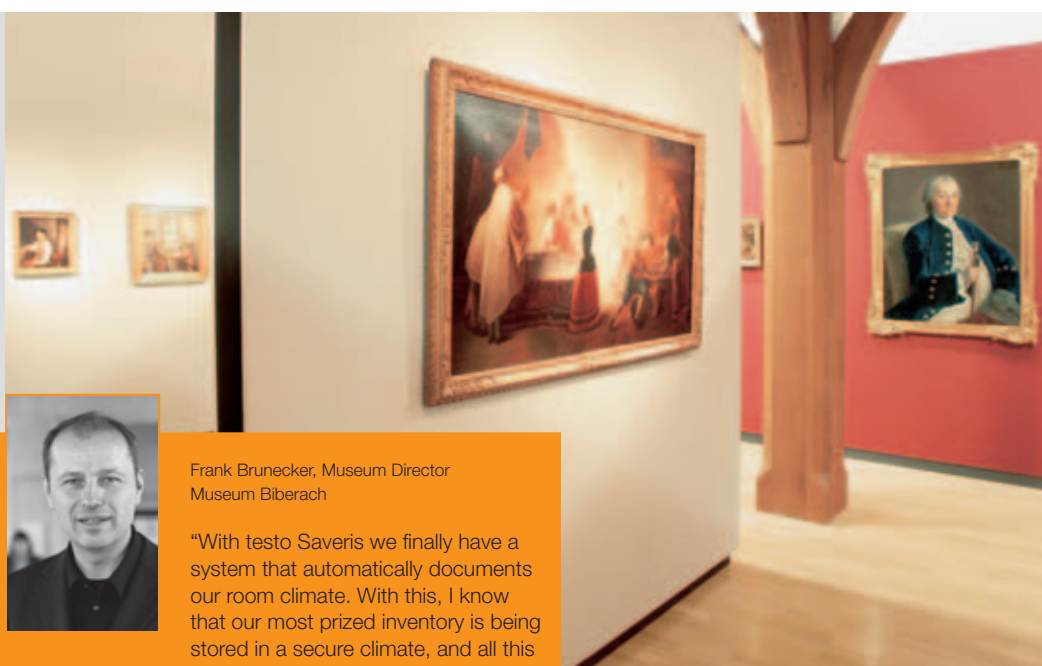
Compliance with predefined temperature values is a decisive factor for quality in food production and is important for complying with legal hygiene requirements.

Uninterrupted monitoring of the cooling chain in supermarkets and in specialist retailers is also necessary. testo Saveris automates the monitoring of the ambient and product temperatures in production plants, cold storage and freezer areas. Alarms are issued whenever the limit values are exceeded. The measurement data and alarms that occur are saved centrally in a database and are therefore accessible any time. testo Saveris conforms to EN 12830 standard.

Monitoring the building climate

When monitoring building climate, stable ambient conditions are especially necessary in museums and archives in order to protect sensitive and expensive objects or artwork. testo Saveris automates the central recording of all climate data.

By issuing alarms when limit values are exceeded, testo Saveris protects valuable inventory from undesired temperature or humidity influences at all times. The radio probe can be attached to locations without the effort of routing cables.



Frank Brunecker, Museum Director
Museum Biberach

“With testo Saveris we finally have a system that automatically documents our room climate. With this, I know that our most prized inventory is being stored in a secure climate, and all this without cabling.”

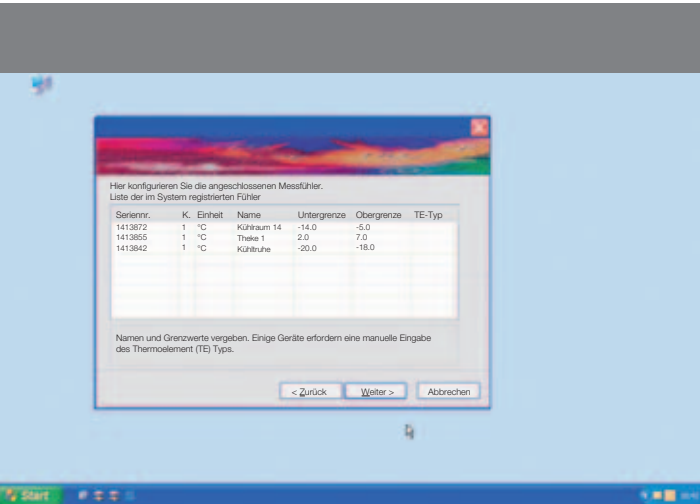


testo Saveris™ Software

1

Installation made easy

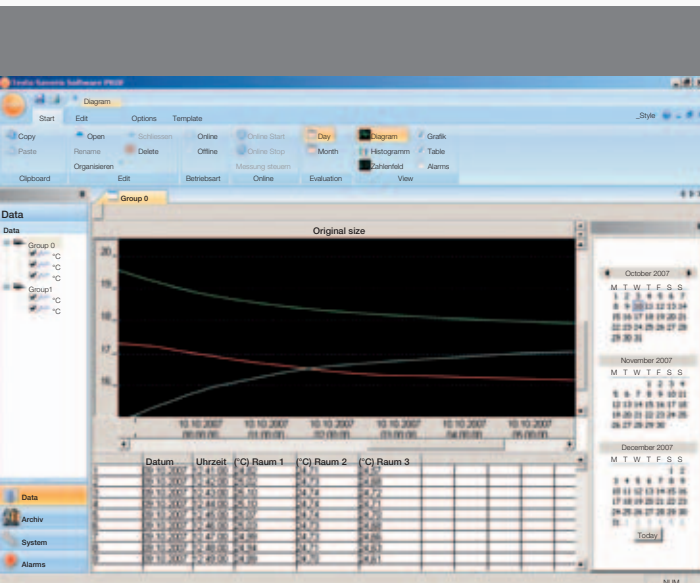
- Connect Saveris base to mains. The probes can now be configured with the base: the probes are switched on in series and automatically identified by the base.
- The Saveris base is connected to a PC via USB or Ethernet. The software is installed on the PC with help from the installation wizard.
- The system is ready for configuration; probe name, limit values, measuring cycles and alarms can be adapted to the individual probes and monitoring requirements.



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Clear and always up-to-date

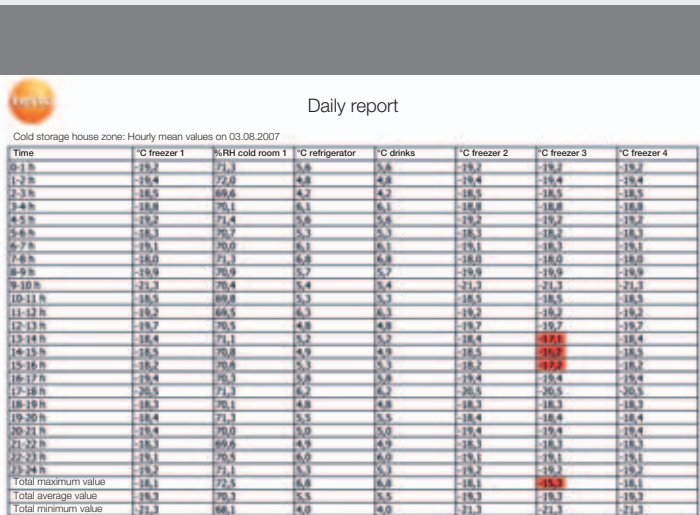
- The measurement data can be shown as a graph or table.
- If alarms are triggered, these are shown separately.
- Various probes can be compiled into groups and locations according to the measurement task.
- The measurement data can be viewed over days, weeks or months. The integrated calendar offers a practical solution for viewing data.



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Automated documentation

- The creation and saving of reports as a PDF file now takes place automatically in accordance with the set conditions. Files are therefore ready to be printed at any time.



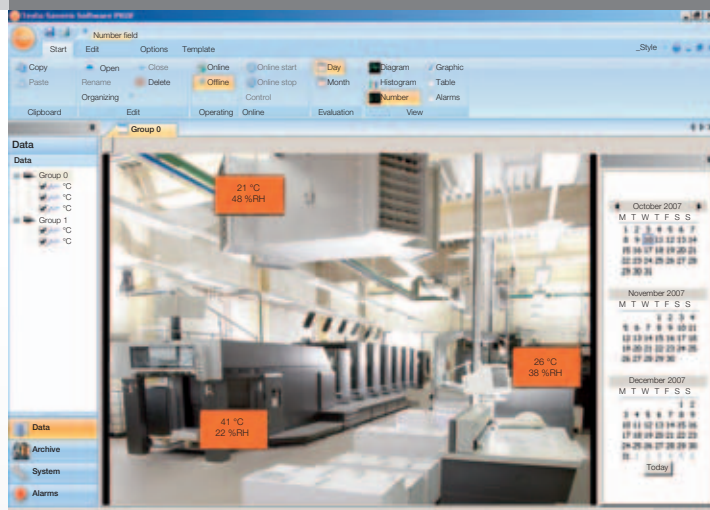
Small Business Edition (SBE) and Professional (PROF)

Now more flexible with Professional software

The Saveris software is available in two versions. The basic version SBE (Small Business Edition) and PROF (Professional) software version offers interesting additional functions, e.g.:

- Integration into the network via Ethernet. Constant monitoring of the measurement data is therefore possible. The measurement data can be monitored by various PC's integrated into the network.
- Photographs of storage areas or rooms can be saved as a digital image. The respective measurement values are shown directly at the position of the probe in the room or in the storage area. The link between the location and the measurement value is therefore very easily visualised.
- Comprehensive alarm management offers the option of alarming more than two people at the same time or in succession. Depending on the day of the week and the time, you can choose whether an alarm is sent via e-mail, SMS or pop-up.

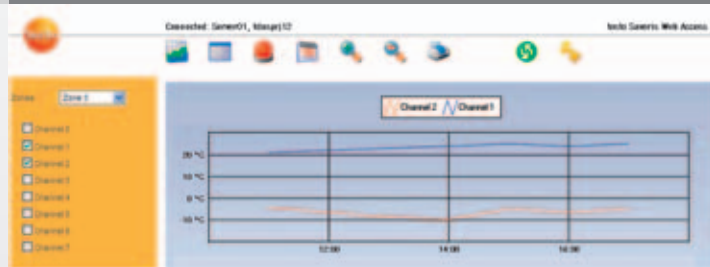
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Measurement data view via Internet

Using a Web server, remote access to the required measurement data is possible from anywhere with Internet access.

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Overview of software versions

	SBE	PROF
Simple installation and configuration	•	•
Diagrams/tables/alarm overview/PDF reports	•	•
Calendar management	•	•
Representation of probe group	•	•
Transmission of alarms (e-mail, SMS, relay)	•	•
Comprehensive alarm management		•
Constant monitoring in PC continuous operation		•
Measurement data on background photo of locations		•
Integration into network (client-server)		•

Ordering data

SBE software, including USB connecting cable base-PC

Part no.
0572 0180

PROF software, including USB connecting cable base-PC

Part no.
0572 0181

testo Saveris™ Base

The base is the heart of testo Saveris and can save up to 40,000 readings per channel independent of a PC. The system data and alarms are visible via the display on the Saveris base.



- Display showing alarms and system data
- Large data memory
- Issue of alarms via LED/relay
- SMS alarm (optional)
- Integrated backup battery
- Up to 150 probes can be connected
- Connection option via USB or Ethernet to PC

Technical data	
Memory	40,000 values per channel (total max. 10,160,000 values)
Dimensions	225 x 150 x 49 mm
Weight	Approx. 1510 g
Protection class	IP42
Material/Housing	Diecast zinc / plastic
Radio frequency	868 MHz / 2.4 GHz
Power supply (absolutely necessary)	6.3 V DC mains unit; alternatively via 24 V AC/DC plug-in/screw terminals, power consumption < 4 W
Rechargeable battery	Li-ion battery (for data back-up and for emergency SMS with failure of the power supply)
Operating temperature	-10 to +50 °C
Storage temperature	-40 to +85 °C
Display	graphical display, 4 control keys
Interfaces	USB, radio, Ethernet
Connectable radio probe	max. 15 probes can be directly connected via radio interface, max. 150 total via radio/router/converter/Ethernet, max. 254 channels
Alarm relay	max. 1 A, max. 30 W, max. 60/25 V DC/AC, NC or NO contact
GSM module	850/900/1800/1900 MHz not valid for Japan and South Korea
Set up	Table base and wall bracket included

Ordering data			
868 MHz	Saveris base, radio frequency 868 MHz Part no. 0572 0120	868 MHz	Saveris base, radio frequency 868 MHz, GSM module integrated (for SMS alarm) Part no. 0572 0121
2.4 GHz	Saveris base, radio frequency 2.4 GHz Part no. 0572 0160	2.4 GHz	Saveris base, radio frequency 2.4 GHz, GSM module integrated (for SMS alarm) Part no. 0572 0161

No mains units or antennas with magnetic base are contained in this ordering data.


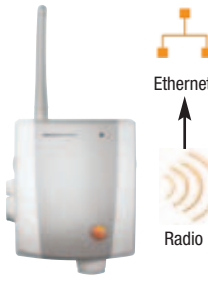
Note on the radio frequencies

868 MHz: EU countries and certain other countries (e.g. CH, NOR)
 2.4 GHz: non-EU countries (country list can be called up under www.testo.com/saveris)

testo Saveris™ Components: Router, converter and accessories

The radio link can be improved or lengthened where there is structural interference by using a router. Several routers are possible in the testo Saveris system, but routers are not connected in series.

Through the connection of a converter to an Ethernet jack, the signal of a radio probe can be converted into an Ethernet signal. This combines flexible connection of the radio probe with the use of the existing Ethernet even over long transmission paths.

	 Saveris router	 Saveris converter
Dimensions	Approx. 85 x 100 x 38 mm	Approx. 85 x 100 x 35 mm
Weight	Approx. 180 g	Approx. 190 g
Power supply	6.3 V DC mains unit; alternatively via 24 V AC/DC plug-in/screw terminals, power consumption < 0.5 W	6.3 V DC mains unit; alternatively via 24 V AC/DC plug-in/screw terminals, power consumption < 2 W
Operating temperature	-20 to +50 °C	-20 to +50 °C
Storage temperature	-40 to +85 °C	-40 to +85 °C
Material/Housing	Plastic	Plastic
Protection class	IP54	IP54
Interfaces	Radio	Radio, Ethernet
Connectable radio probe	max. 5	max. 15
Wall bracket	included	included
Versions	868 MHz Saveris router, 868 MHz, radio transmission medium Part no. 0572 0119	868 MHz Saveris converter, 868 MHz, converts the radio transmission medium to Ethernet Part no. 0572 0118
	2.4 GHz Saveris router, 2.4 GHz, radio transmission medium Part no. 0572 0159	2.4 GHz Saveris converter, 2.4 GHz, converts the radio transmission medium to Ethernet Part no. 0572 0158

No mains units are contained in this ordering data.

Accessories	Part no.
Power supply	Part no.
Battery for radio probe (4 AA alkali manganese mignon batteries)	0515 0414
Battery for radio probe for use below -10 °C (4 Energyzer L91 Photo lithium)	0515 0572
100-240 V DC mains unit; for testo Saveris base, router, converter, Ethernet probe	0554 1096
Mains unit (rail mounting) 90 to 264 VAC/ 24 VDC (2.5A)	0554 1749
Mains unit (desk-top) 110 to 240 VAC/24 VDC (350mA)	0554 1748
Other features	Part no.
① Magnetic foot aerial with 3 m cable, for base with GSM module	0554 0524
② Alarm module (visual + acoustic), can be connected to base alarm relay, diam. 70 x 164 mm, 24 V AC/DC or 320 mA, steady on: red, steady tone: buzzer approx. 2.4 kHz	0629 6666
Software	Part no.
SBE software, including USB connecting cable base-PC	0572 0180
PROF software, including USB connecting cable base-PC	0572 0181
Saveris adjustment software incl. connection cable for wireless and Ethernet probes	0572 0183
Measurement data view via Internet	On request
Calibration Certificates	Part no.
ISO calibration certificate/temperature; temp. data logger; calibration points -18°C; 0°C; +60°C	0520 0151
DKD calibration certificate/temperature; temp. data logger; cal. points -20°C; 0°C; +60°C	0520 0261
ISO calibration certificate/humidity; humidity data logger; calibration points 11.3%rh and 75.3%rh at +25°C	0520 0076
DKD calibration certificate/humidity; humidity data logger; cal. points 11.3%rh and 75.3%rh at +25°C	0520 0246

Note on the radio frequencies



868 MHz: EU countries and certain other countries (e.g. CH, NOR)
2.4 GHz: non-EU countries (country list can be called up under www.testo.com/saveris)



Magnetic foot aerial



Alarm module (visual + acoustic), can be connected to base alarm relay

testo Saveris™ Components: Radio probes

Probe versions with internal and external temperature sensors and with humidity sensors allow adaptation for every application. The radio probes are available with or without a display. Current measurement data, the battery status and the strength of the radio link are shown on the display.



Radio

°C				%rh, °C	
 NTC internal	 NTC internal	 TC external	 Pt 100 external	 %rh NTC internal	
Saveris T1	Saveris T2	Saveris T3	Saveris Pt	Saveris H3	
Radio probe with internal NTC	Radio probe with external probe connection and internal NTC, door contact	2-channel radio probe with 2 external TC probe connections (Choice of TC characteristics)	Radio probe with 1 external Pt100 probe connection	Humidity radio probe	






Internal sensor	Probe type	NTC	NTC			NTC	Humidity sensor
	Measuring range	-35 to +50 °C	-35 to +50 °C			-20 to +50 °C	0 to 100 %rh
	Accuracy	±0.4 °C (-25 to +50 °C) ±0.8 °C (remaining range)	±0.4 °C (-25 to +50 °C) ±0.8 °C (remaining range)			±0.5 °C	±3 %rh
	Resolution	0.1 °C	0.1 °C			0.1 °C / 0.1 °C td	0.1%
External probe	Probe type		NTC	TC type K	TC type J	Pt100	
	Measuring range (Instrument)		-50 to +150 °C	-195 to +1350 °C	-100 to +750 °C	-200 to +600 °C	
	Accuracy (Instrument)		±0.2 °C (-25 to +70 °C) ±0.4 °C (remaining range)	TC type T	TC type S	at 25 °C ±0.1 °C (0 to +60 °C) ±0.2 °C (-100 to +200 °C) ±0.5 °C (remaining range)	
	Resolution		0.1 °C	0.1 °C	1 °C	0.01 °C	
Connection			NTC via mini-DIN socket, door contact connection cable included in delivery (1.80 m)	2 TCs via TC socket, max. difference in potential 2 V		1 Pt100 via mini-DIN socket	
Dimensions (housing):	80 x 85 x 38 mm						
Weight	Approx. 240 g						
Battery type	4 AA batteries						
Battery life	Battery life at +25 °C, 3 years; for freezer applications, 3 years with L91 Photo lithium Energizer batteries						
Material/Housing	Kunststoff						
Protection class	IP68	IP68	IP54	IP68	IP68	IP42	
Radio frequency	868 MHz / 2.4 GHz						
Measuring rate	Standard 15 min, 1 min to 24 h can be set						
Conformity with standards	DIN EN 12830						
Operating temperature	-35 to +50 °C			-20 to +50 °C			
Storage temperature	-40 to +55 °C						
Display (optional)	LCD, 2 lines; 7-segment with symbols						
Transmission distance	approx. 300 m free field at a frequency of 868 MHz, approx. 100 m free field at a frequency of 2.4 GHz						
Wall bracket	included						

Versions		Saveris T1	Saveris T2	Saveris T3	Saveris Pt	Saveris H3
868 MHz	Version without display	Saveris T1 Part no. 0572 1110	Saveris T2 Part no. 0572 1111	Saveris T3 Part no. 0572 9112	Saveris Pt Part no. 0572 7111	Saveris H3 Part no. 0572 6110
	Version with display	Saveris T1 D Part no. 0572 1120	Saveris T2 D Part no. 0572 1121	Saveris T3 D Part no. 0572 9122	Saveris Pt D Part no. 0572 7121	Saveris H3 D Part no. 0572 6120
2.4 GHz	Version without display	Saveris T1 Part no. 0572 1150	Saveris T2 Part no. 0572 1151	Saveris T3 Part no. 0572 9152	Saveris Pt Part no. 0572 7151	Saveris H3 Part no. 0572 6150
	Version with display	Saveris T1 D Part no. 0572 1160	Saveris T2 D Part no. 0572 1161	Saveris T3 D Part no. 0572 9162	Saveris Pt D Part no. 0572 7161	Saveris H3 D Part no. 0572 6160

The AA alkali manganese mignon batteries (0515 0414) are contained in this ordering data.

testo Saveris™ Components: Ethernet probes

An existing LAN infrastructure can be used with the Ethernet probes. This allows data transfer from the probe to the base, over long distances. All Ethernet probes have a display.

		°C		%rh, °C			
		Pt 100 external	TC external	%rh external	NTC	%rh external	NTC
							
Ethernet		Saveris Pt E Ethernet probe with external Pt100 probe connection	Saveris T4 E 4-channel Ethernet probe with 4 external TC probe connections	Saveris H2 E Humidity Ethernet probe 2%	Saveris H1 E Humidity Ethernet probe 1%		
External probe	Probe type	Pt100	TC type T TC type S	Humidity sensor	NTC	Humidity sensor	NTC
	Measuring range (Instrument)	-200 to +600 °C	-200 to +400 °C 0 to +1760 °C	0 to 100 %rh*	-20 to +70 °C	0 to 100 %rh*	-20 to +70 °C
	Accuracy (Instrument)	at 25 °C ±0.1 °C (0 to +60 °C) ±0.2 °C (-100 to +200 °C) ±0.5 °C (remaining range)	0.5 °C or 0.5% of mv	to 90 %rh: ±2 %rh > 90 %rh: ±3 %rh	±0.5 °C	to 90 %rh: ±(1 %rh + 0.7 % of mv) at +25 °C > 90 %rh: ±(1.4 %rh + 0.7 % of mv) at +25 °C	±0.2 °C (0 to +30 °C) ±0.5 °C (remaining range)
	Resolution	0.01 °C	0.1 °C 1 °C	0.1% / 0.1 °C td	0.1 °C	0.1% / 0.1 °C td	0.1 °C
Connection		Mini-DIN service interface is accessible externally					
		1 Pt100 via mini-DIN socket	4 TCs via TC socket, max. difference in potential 50 V				
Dimensions (housing):		Approx. 85 x 100 x 38 mm					
Weight		Approx. 220 g	Approx. 220 g	Approx. 230 g	Approx. 230 g		
Power supply (absolutely necessary)		6.3 V DC mains unit; alternatively via 24 V AC/DC plug-in/screw terminals					
Buffer battery		Li-ion					
Material/Housing		Kunststoff					
Protection class		IP54					
Measuring rate		2 s to 24h					
Operating temperature		-20 to +70 °C					
Storage temperature		-40 to +85 °C					
Display		LCD, 2 lines; 7-segment with symbols					
Wall bracket		included					
		Saveris Pt E With display Part no. 0572 7191	Saveris T4 E With display Part no. 0572 9194	Saveris H2 E With display Part no. 0572 6192	Saveris H1 E With display Part no. 0572 6191		

No mains units are contained in this ordering data

*not for continuous high-humidity applications

Sintered caps for Saveris H1 E and H2 E Ethernet probes	Part no.
Metal protection cage, Ø 12 mm for humidity probes, for measurement in flow velocities of less than 10 m/s	0554 0755
Cap with wire mesh filter, Ø 12 mm	0554 0757
Teflon sintered filter, Ø 12 mm, for corrosive substances, high humidity range (long-term measurements), high velocities	0554 0756
Stainless steel sintered cap, Ø 12 mm, is screwed onto humidity probe, for measurements at high flow velocities or in contaminated air	0554 0647
testo saline pots for control and humidity adjustment of humidity probes, 11.3 %rh and 75.3 %rh with adapter for humidity probe, quick checks or calibration of humidity probe	0554 0660

testo Saveris™ Accessories: External temperature probes

Pt 100	Plug-in probes	Illustration	Meas. range	Accuracy	t99	Part no.
◆ Robust, Pt100 stainless steel food probe (IP65)		<p>125 mm 15 mm Ø 4 mm Ø 3 mm</p> <p>Conn.: Fixed cable</p>	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range)	10 s	0609 2272
◆ Robust, waterproof Pt100 immersion/penetration probe		<p>114 mm 50 mm Ø 5 mm Ø 3.7 mm</p> <p>Fixed cable</p>	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range)	12 s	0609 1273
Connection cable for Pt100 stationary probe with screw terminals (4-wire technology)						0554 0213
TC	Plug-in probes	Illustration	Meas. range	Accuracy	t99	Part no.
◆ Stationary probe with stainless steel sleeve, TC Type K		<p>40 mm Ø 6 mm</p> <p>Conn.: Fixed cable 1.9 m</p>	-50 to +205 °C	Class 2*	20 s	0628 7533
◆ Robust air probe, T/C Type K		<p>115 mm Ø 4 mm</p> <p>Conn.: Fixed cable 1.2 m</p>	-60 to +400 °C	Class 2*	25 s	0602 1793
Magnetic probe, adhesive force approx. 20 N, with magnets, for measurements on metal surfaces, TC Type K		<p>35 mm Ø 20 mm</p> <p>Fixed cable</p>	-50 to +170 °C	Class 2*	150 s	0602 4792
Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces, TC Type K		<p>75 mm Ø 21 mm</p> <p>Conn.: Fixed cable 1.6 m</p>	-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 to +280°C, TC Type K		<p>395 mm 20 mm</p> <p>Conn.: Fixed cable 1.2 m</p>	-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		<p>395 mm 20 mm</p> <p>Conn.: Fixed cable 1.5 m</p>	-50 to +120 °C	Class 1*	90 s	0628 0020
Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K		<p>800 mm Ø 1.5 mm</p>	-50 to +400 °C	Class 2*	5 s	0602 0644
Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K		<p>1500 mm Ø 1.5 mm</p>	-50 to +400 °C	Class 2*	5 s	0602 0645
Thermocouple with TC adapter, flexible, 1500mm long, Teflon, TC Type K		<p>1500 mm Ø 1.5 mm</p>	-50 to +250 °C	Class 2*	5 s	0602 0646
Immersion tip, flexible, TC Type K		<p>500 mm Ø 1.5 mm</p>	-200 to +1000 °C	Class 1*	5 s	0602 5792
Immersion measurement tip, flexible, for measurements in air/exhaust gases (not suitable for measurements in smelters), TC Type K		<p>1000 mm Ø 3 mm</p>	-200 to +1300 °C	Class 1*	4 s	0602 5693









◆ The specified accuracy class of the Saveris radio and Ethernet probe is achieved using these external probes.

*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).



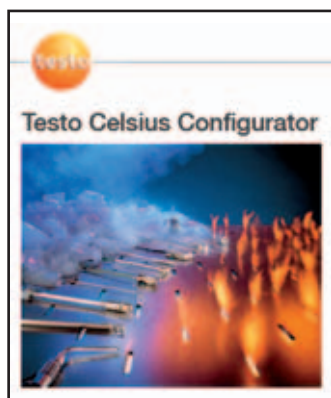
You can find all temperature probes tailored to your application in our "Stationary measurement solutions" catalogue.

testo Saveris™ Accessories: External temperature probes

NTC	Plug-in probes	Illustration	Meas. range	Probe accuracy	t99	Part no.
●	Stub probe, IP 54		-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, Immersion Penetration 65	 Conn.: Fixed cable; Cable/length: 2.4 m	-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	 Conn.: Fixed cable; Cable/length: 6 m	-35 to +80 °C	±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	5 s	0610 1725*
●	Accurate immersion/penetration probe, cable: 1.5 m long, IP 67	 Conn.: Fixed cable; Cable/length: 1.5 m	-35 to +80 °C	±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	5 s	0628 0006*
	Wall surface temperature probe, e.g. to prove damage in building material	 Conn.: Fixed cable; Cable/length: 3 m	-50 to +80 °C	±0.2 °C (0 to +70 °C)	20 s	0628 7507
●	Stainless steel NTC food probe (IP65) with PUR cable	 Conn.: Fixed cable; Cable/length: 1.5 m	-50 to +150 °C ¹⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	8 s	0613 2211*
●	Waterproof NTC immersion/penetration probe	 Conn.: Fixed cable	-50 to +150 °C	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	10 s	0613 1212
	Pipe wrap probe with Velcro for pipe diameter to max. 75 mm, Tmax. +75°C, NTC	 Conn.: Fixed cable; Cable/length: 1.5 m	-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)		0613 4611

● The specified accuracy class of the Saveris radio and Ethernet probe is achieved using these external probes.

* Probe tested to EN 12830 for suitability in the transport and storage sectors
12) Long-term measurement range +125°C, short-term +150°C or +140°C (2 minutes)



You can find all temperature probes tailored to your application in our “Stationary measurement solutions” catalogue.

testo Saveris™ Sets

Users can configure a testo Saveris system individually, or buy the following sets;

Saveris set 1



Set 1: 868 MHz, consisting of base 0572 0120, 3 NTC radio probes without display 0572 1110, mains unit for base 0554 1096 and SBE software 0572 0180 including USB cable

Set 1, 868 MHz

Part no. 0572 0110

Saveris set 2



Set 2: 868 MHz, consisting of base 0572 0120, 5 NTC radio probes with display 0572 1120, router 0572 0119, 2 mains units for base and router 0554 1096 and SBE software 0572 0180 including USB cable

Set 2, 868 MHz

Part no. 0572 0111

Saveris set 3



Set 3: 868 MHz, consisting of base 0572 0121 including GSM module for SMS alarm, antenna with magnetic base 0554 0524, 5 NTC radio probes with display 0572 1120, router 0572 0119, 2 mains units for base and router 0554 1096 and SBE software 0572 0180 including USB cable

Set 3, 868 MHz

Part no. 0572 0112

Set 1: 2.4 GHz, consisting of base 0572 0160, 3 NTC radio probes without display 0572 1150, mains unit for base 0554 1096 and SBE software 0572 0180 incl. USB cable

Set 1, 2.4 GHz

Part no. 0572 0150

Set 2: 2.4 GHz, consisting of base 0572 0160, 5 NTC radio probes with display 0572 1160, router 0572 0159, 2 mains units for base and router 0554 1096 and SBE software 0572 0180 incl. USB cable

Set 2, 2.4 GHz

Part no. 0572 0151

Set 3: 2.4 GHz, consisting of base 0572 0161 incl. GSM module for SMS alarm, antenna with magnetic base 0554 0524, 5 NTC radio probes with display 0572 1160, router 0572 0159, 2 mains units for base and router 0554 1096 and SBE software 0572 0180 incl. USB cable

Set 3, 2.4 GHz

Part no. 0572 0152

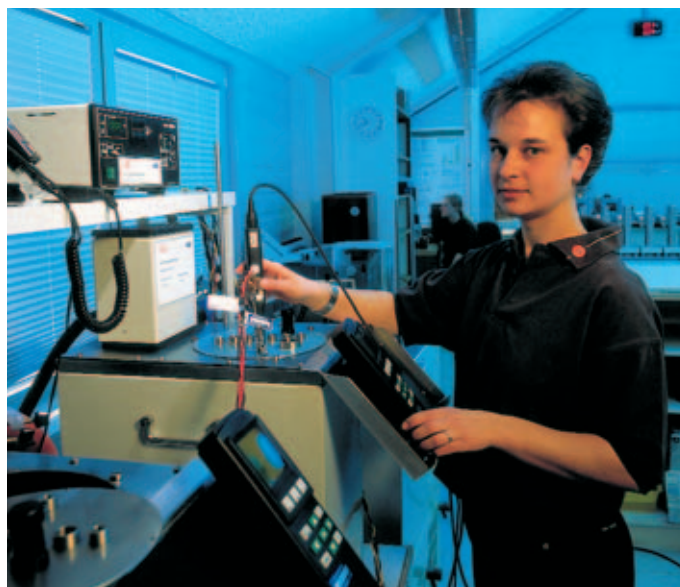
Service and Calibration

Calibration

All testo Saveris probes are factory calibrated, which is confirmed by a report supplied with the probes. Further calibrations or adjustments can be made by the user on site, or via a service provider. The Saveris calibration software is available for this purpose. After successful calibration, the current data is stored in the probe. At the same time, the calibration software and the Saveris software accept this data so that the calibration data is stored historically.

Radio and Ethernet probes are connected to a cable via the service interface for adjustment.

If you do not wish to perform your own calibration, testo is available as a service provider.



Ordering data

**Saveris calibration software
including connection cable for
wireless and Ethernet probes**

Part no.
0572 0183

Service

testo is a manufacturer of measuring instruments and measuring systems with a global presence, with 27 international subsidiaries and representatives in numerous countries. Naturally, testo also offers you on-site service. For questions regarding testo Saveris, from installation to retrofitting further system components, please refer to the testo office in your country.

You can find an overview of the nearest service location at;
www.testo.com.

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