

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 alarms are visible via the display of the Saveris base. Even without the PC running, the base issues an alarm by means of an LED if the limit value is exceeded, or optionally via SMS and via a 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 the PC either via USB or Ethernet cable. The Saveris base thereby offers flexibility with the highest data security.

testo Saveris wireless probe

The testo Saveris radio probes measure temperature and humidity. In the measuring cycle, the probes save the recorded measurement data and send it to the central base at regular 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 therefore ensures that the measurement data is only recorded by the base and is not interfered with by other radio systems.

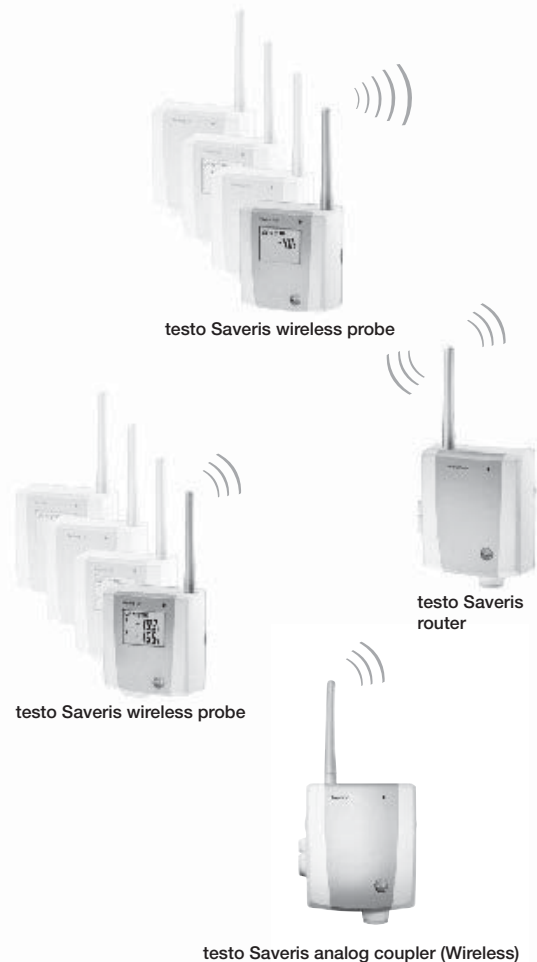
An alarm sounds in the event that the radio link be interrupted by obstacles. The memory in the probe ensures that the measurement data is not lost in the event of an interference in the radio link. An optimized battery design ensures for long running life of the probe memory.

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

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

testo Saveris analog coupler

The two versions of the analog coupler (wireless/Ethernet) allow the inclusion of further measurement parameters into the testo Saveris monitoring system, by integrating all transmitters with standardized current/voltage interfaces, e. g. 4 to 20 mA or 0 to 10 V.


testo Saveris wireless probe
Saveris set 1
Set 1, 868 MHz

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 incl. USB cable

Part no.
0572 0110

Set 1, 2.4 GHz

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

Part no.
0572 0150

Saveris set 2
Set 2, 868 MHz

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 incl. USB cable

Part no.
0572 0111

Set 2, 2.4 GHz

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

Part no.
0572 0151

Saveris set 3
Set 3, 868 MHz

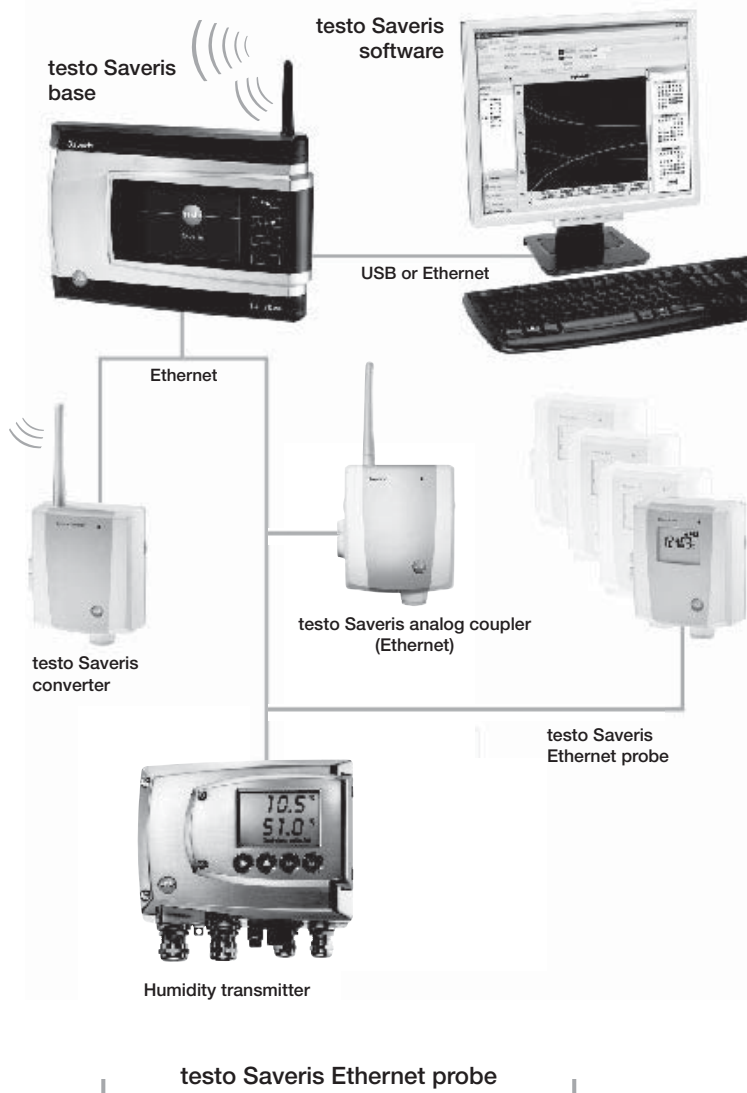
Set 3: 868 MHz, consisting of base 0572 0121 incl. GSM module for SMS alarm, aerial with magnetic base 0554 0525, 5 NTC radio probes with display 0572 1120, router 0572 0119, 2 mains units for base and router 0554 1096 and SBE software 0572 0180 incl. USB cable

Part no.
0572 0112

Set 3, 2.4 GHz

Set 3: 2.4 GHz, consisting of base 0572 0161 incl. GSM module for SMS alarm, aerial with magnetic base 0554 0525, 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

Part no.
0572 0152

testo Saveris™

testo Saveris software

The measurement data is transmitted from the base to a PC on which the testo Saveris software is installed within just a few minutes using an installation assistant. The initial system and probe configuration is also performed using the software.

All measurement are saved centrally in the software's database and can be called up any time as a table or a graph. All alarms that occur are listed in a table as a history. The automatic creation of PDF reports in defined intervals also simplifies the 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 or an alarm directly on the screen.

The Saveris software is available in two different versions. The basic version SBE (Small Business Edition) enables the appeal basic functions of the software. Die PROF (Professional) software version offers interesting additional functions, e.g.:

- The integration into the network via Ethernet. Constant monitoring of the measurement data is thereby possible. The measurement data can be monitored by various PCs integrated into the network.
- Photographs of machines or rooms can be saved as a picture. The respective measurement values are shown directly at the position of the probe in the room or at the machine in these. The link between the location and the measurement value is thus very easily visualized (s. picture).
- A 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 freely choose whether an alarm is sent via e-mail or SMS.

testo Saveris Ethernet probe

In addition to the radio probes, probes can be used that are directly connected to the Ethernet. The existing LAN infrastructure can be used through this. This allows the data transfer from the probe to the base, even over long distances.

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

A display informs about the current measurement data as well as the probe status. Different probe versions (probe partially plug-in) adapt to the conditions of the application.

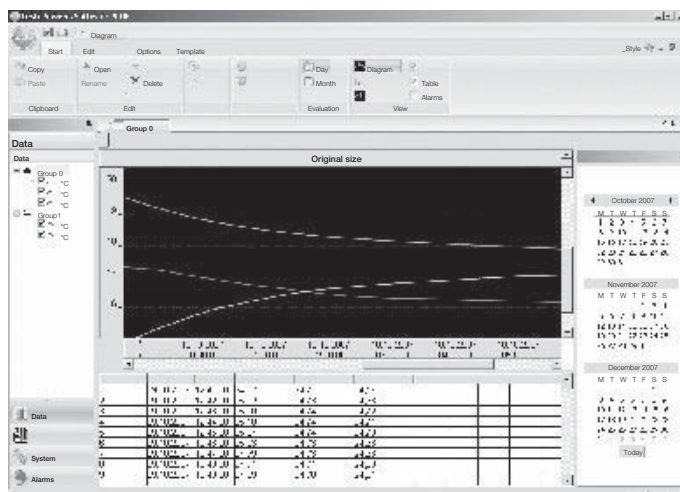
Through the connection of a converter to an Ethernet jack, the signal of a radio probe can be converted into an Ethernet signal. This combines the flexible connection of the radio probe with the use of the existing Ethernet even over long transmission paths.

Humidity transmitter testo 6651/6681

Thanks to the integration of the humidity transmitter, measurement data monitoring is possible parallel to the control. This provides the solution for highest accuracy as well as for special applications (high humidity, trace humidity etc.) in compressed air, drying and air conditioning technology.

Find out more at www.testo.com/transmitter

Overview of software versions	SBE	PROF	CFR
Simple installation and configuration	•	•	•
Diagrams/tables/alarm overview/PDF reports	•	•	•
Calendar management	•	•	•
Representation of probe groups	•	•	•
Transmission of alarms (e-mail, SMS, relay)	•	•	•
Comprehensive alarm management		•	•
Automatic refresh of measurement data ("Online mode")		•	•
Measurement data on background photo of locations		•	•
Integration into network (client server)		•	•
Conform to 21CFR11 (validatable)			•
Electronic signature			•
Audit trail			•
Allocation of access rights on 3 user levels			•



Probe versions with internal and external temperature sensors and with humidity sensors allow the adaptation to every application. The radio probes are available with or without a display as an option. Current measurement data, the battery status and the quality of the radio link are shown in the display.

		°C / °F			
		NTC internal	NTC internal	NTC external	TC external
 Radio		 Saveris T1 Radio probe with internal NTC	 Saveris T2 Radio probe with external probe connection and internal NTC, door contact	 Saveris T3 2-channel radio probe with 2 external TC probe connections (Choice of TC characteristics)	 Saveris Pt Radio probe with 1 external Pt100 probe connection
		NTC internal	NTC internal	NTC external	TC external
Internal sensor	Probe type	NTC			
	Meas. range	-35 to +50 °C			
	Accuracy	±0.4 °C (-25 to +50 °C) ±0.8 °C (remaining range)			
External probe	Resolution	0.1 °C			
	Probe type	NTC		TC type K	TC type J
	Meas. range (Instrument)	-50 to +150 °C		-195 to +1350 °C	-100 to +750 °C
	Accuracy (Instrument)	±0.2 °C (-25 to +70 °C) ±0.4 °C (remaining range)		TC type T	TC type S
Conn.	Resolution (Instrument)	0.1 °C		0.1 °C / TC type S 1 °C	
		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	
Dimensions (housing):		80 x 85 x 38 mm			
Weight		Approx. 240 g			
Battery life (Type: 4 AA batteries)		Battery life at +25 °C, 3 years; for freezer applications, 3 years with L91 Photo lithium Energizer batteries)			
Material/Housing		Plastic			
Protection class		IP68		IP54	IP68
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			
Oper. temp.		-35 to +50 °C		-20 to +50 °C	
Storage temp.		-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			

Ordering data Wireless probes	Part no.		Part no.	
	Version without display		Version with display	
	868 MHz	2.4 GHz	868 MHz	2.4 GHz
Saveris T1 Radio probe with internal NTC	0572 1110	0572 1150	0572 1120	0572 1160
Saveris T2 Radio probe with external probe connection and internal NTC, door contact	0572 1111	0572 1151	0572 1121	0572 1161
Saveris T3 2-channel radio probe with 2 external TC probe connections (Choice of TC characteristics)	0572 9112	0572 9152	0572 9122	0572 9162
Saveris Pt Radio probe with 1 external Pt100 probe connection	0572 7111	0572 7151	0572 7121	0572 7161

The alkali manganese batteries AA (0515 0414) are included in these ordering data (analog coupler excluded). Saveris probes are delivered with a calibration protocol of the factory adjustment data. Calibration certificates must be ordered separately.


Radio

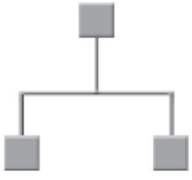



		°C / °F and %RH				mA and V			
		%RH NTC external		%RH NTC internal		%RH NTC external		mA V intern	
		Saveris H2D Wireless humidity probe		Saveris H3 Humidity radio probe		Saveris H4D Wireless probe with 1 external humidity probe connection		Saveris U1 Wireless probe with current/voltage output	
Internal sensor	Probe type			NTC	Humidity sensor			1 channel: current/voltage input	
	Meas. range			-20 to +50 °C	0 to 100 %RH			2-wire: 4 to 20 mA, 4-wire: 0/4 to 20 mA, 0 to 1/5/10 V, load: max. 160 Ω at 24 V DC	
	Accuracy			±0.5 °C	±3 %RH			Current ±0.03 mA / 0.75 µA Voltage 0 to 1 V ±1.5 mV/39 µV Voltage 0 to 5 V ±7.5 mV / 0.17 mV Voltage 0 to 10 V ±15 mV / 0.34 mV ±0.02% of. m.v./K deviating from nominal temperature 22 °C	
	Resolution			0.1 °C	0.1 °C / 0.1 °C td				
External probe	Probe type	NTC	Humidity sensor			NTC	Humidity sensor		
	Meas. range (Instrument)	-20 to +50 °C	0 to +100 %RH*			-20 to +70 °C	0 to +100 %RH*		
	Accuracy (Instrument)	±0.5 °C	to 90 %RH: ±2 %RH > 90 %RH: ±3 %RH			±0.2 °C	see probes		
	Resolution (Instrument)	0.1 °C	0.1% / 0.1 °C td			0.1 °C	0.1% / 0.1 °C td		
Conn.	non-exchangeable stump probe					1 x external humidity probe mini DIN socket		2 or 4-wire current/voltage output Service interface mini DIN for adjustment	
Dimensions (housing):	85 x 100 x 38 mm			80 x 85 x 38 mm			Approx. 85 x 100 x 38 mm		
Weight	Approx. 256 g			Approx. 245 g			Approx. 240 g		
Battery life (Type: 4 AA batteries)	Battery life at +25 °C, 3 years; for freezer applications, 3 years with L91 Photo lithium Energizer batteries)						Supply: Mains unit 6.3 V DC, 2 to 30 V DC max. 25 V AC		
Material/Housing	Plastic								
Protection class	IP54			IP42			IP54		
Radio frequency	868 MHz / 2.4 GHz								
Measuring rate	Standard 15 min, 1 min to 24 h can be set								
Oper. temp.	-20 to +50 °C								
Storage temp.	-40 to +55 °C								
Display (optional)	LCD, 2 lines; 7-segment with symbols						(no display)		
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								

*not for continuous high-humidity applications

Ordering data Wireless probes	Part no.		Part no.	
	Version without display		Version with display	
	868 MHz	2.4 GHz	868 MHz	2.4 GHz
Saveris H3 Wireless probe with internal humidity sensor	0572 6110	0572 6150	0572 6120	0572 6160
Saveris H2D Wireless probe with external humidity sensor 2%RH, radio frequency 868 MHz (with display)			0572 6122	0572 6162
Saveris H4D Wireless humidity probe with external probe connection, radio frequency 868 MHz (with display)			0572 6124	0572 6164
Saveris U1 Analog coupler with 1 current/voltage output (order mains unit separately)	0572 3110	0572 3150		

The alkali manganese batteries AA (0515 0414) are included in these ordering data (analog coupler excluded). Saveris probes are delivered with a calibration protocol of the factory adjustment data. Calibration certificates must be ordered separately.

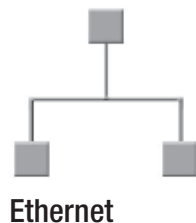
The existing LAN infrastructure can be used through the Ethernet probe. This allows the data transfer from the probe to the base, even over long distances. Ethernet probes have a display.

		°C			
		NTC external	TC external		Pt 100 external
 Ethernet		 Saveris T1E Ethernet probe with 1 external probe connection NTC	 Saveris T4 E 4-channel Ethernet probe with 4 external TC probe connections		 Saveris Pt E Ethernet probe with external Pt100 probe connection
External probe	Probe type	NTC	TC type K	TC type J	Pt100
	Meas. 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)	±0.5 °C or 0.5% of mv		at 25 °C ±0.1 °C (0 to +60 °C) ±0.2 °C (-100 to +200 °C) ±0.5 °C (remaining range)
	Resolution (Instrument)	0.1 °C	0.1 °C / TC type S 1 °C		0.01 °C
Conn.	1 x NTC via mini DIN socket	4 TCs via TC socket, max. difference in potential 50 V		1 Pt100 via mini-DIN socket	
Mini-DIN service interface for adjustment is accessible externally					
Dimensions (housing):	Approx. 85 x 100 x 38 mm				
Weight	Approx. 220 g				
Power	6.3 V DC mains unit; alternatively via 24 V AC/DC plug-in/screw terminals, PoE				
Buffer battery	Li-ion				
Material/Housing	Plastic				
Protection class	IP54				
Measuring rate	2 s to 24 h				
Oper. temp.	-20 to +60 °C				
Storage temp.	-40 to +60 °C				
Power consumption	PoE Class 0 (typical ≤ 3 W)				
Display (optional)	LCD, 2 lines; 7-segment with symbols				
Wall bracket	included				





Ordering data Ethernet probes
Part no.

Saveris T1E Ethernet probe with 1 external probe connection NTC	0572 1191
Saveris T4 E 4-channel Ethernet probe with 4 external TC probe connections (With display)	0572 9194
Saveris Pt E Ethernet probe with external Pt100 probe connection (With display)	0572 7191
Saveris H1 E Humidity Ethernet probe 1% (With display)	0572 6191
Saveris H2 E Humidity Ethernet probe 2 % (With display)	0572 6192
Saveris H4E Ethernet humidity probe with external probe connection (with display)	0572 6194
Saveris U1E Etheret analog coupler with 1 current/voltage output	0572 3190

Saveris probes are delivered with a calibration protocol of the factory adjustment data. Calibration certificates must be ordered separately. Mains units are not included in delivery.



Ethernet

		°C / °F and %rF				mA and V	
		%RH NTC external	%RH NTC external	%RH NTC external	internal		
							
		Saveris H1E Humidity Ethernet probe 1%	Saveris H2 E Humidity Ethernet probe 2%	Saveris H4E Ethernet probe with external humidity probe connection	Saveris U1E Ethernet probe with current/voltage		
Internal sensor	Probe type					1 channel: current/voltage	
	Meas. range					2-wire: 4 to 20 mA, 4-wire: 0/4 to 20 mA, 0 to 1/5/10V, load: max. 160 Ω at 24 V DC	
	Accuracy					Current ±0,03 mA / 0.75 µA Voltage 0 to 1 V ±1.5 mV / 39 µV Voltage 0 to 5 V ±7.5 mV / 0.17 mV Voltage 0 to 10 V ±15 mV / 0.34 mV ±0.02% of m.v./K deviating from nominal temperature 22 °C	
	Resolution						
External probe	Probe type	NTC	Humidity sensor	NTC	Humidity sensor	NTC	Humidity sensor
	Meas. range (Instrument)	-20 to +70 °C	0 to 100 %RH*	-20 to +70 °C	0 to 100 %RH*	-20 ... +70 °C	0 to 100 %RH*
	Accuracy (Instrument)	±0.2 °C (0 to +30 °C) ±0.5 °C (remaining range)	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)	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 (-25 to +70 °C) ±0.4 °C (remaining range)	see external probes
Resolution (Instrument)	0.1 °C	0.1% / 0.1 °C td	0.1 °C	0.1% / 0.1 °C td	0.1 °C	0.1% / 0.1 °C td	
Conn.					1 x external Ethernet humidity probe mini DIN socket		1 x 2- or 4-wire current/voltage
		Mini-DIN service interface is accessible externally					
Dimensions (housing):			Approx. 85 x 100 x 38 mm				
Weight	Approx. 230 g				Approx. 254 g		Approx. 240 g
Power	6.3 V DC mains unit; alternatively via 24 V AC/DC plug-in/screw terminals, PoE						
Buffer battery	Li-ion						
Material/Housing	Plastic						
Protection class	IP54						
Measuring rate	2 s to 24 h						
Oper. temp.	-20 to +60 °C						
Storage temp.	-40 to +60 °C						
Power consumption	PoE Class 0 (typical ≤ 3 W)						
Display (optional)	LCD, 2 lines; 7-segment with symbols					no display	
Wall bracket	included						

*not for continuous high-humidity applications

Sintered caps for Saveris H1 E, H2 E and H2 D Ethernet probes

Metal protection cage, Ø 12 mm for humidity probes, for measurement in flow velocities of less than 10 m/s



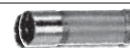
Part no. 0554 0755

Stainless steel sintered cap, Ø 12 mm, is screwed onto humidity probe, for measurements at higher flow velocities or in contaminated air



Part no. 0554 0647

Cap with wire mesh filter, Ø 12 mm



Part no. 0554 0757

Sintered PTFE filter, Ø 12 mm, for corrosive media, High humidity range (long-term measurements), high flow velocities.



Part no. 0554 0756

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

Part no. 0554 0660

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

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

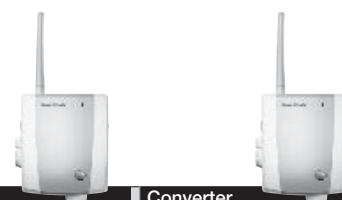


Technical data Base	
Memory	40,000 values per channel (total max. 10,160,000 values)
Dimensions	225 x 150 x 49 mm
Weight	Approx. 1510 g
Protection class	IP42
Material/Housing	Diecast zinc / plastic
Radio frequency	868 MHz / 2.4 GHz
Power supply (absolutely necessary)	6.3 V DC mains unit; alternatively via 24 V AC/DC plug-in/screw terminals, power consumption < 4 W
Rech. batt.	Li-ion battery (for data back-up and for emergency SMS if power supply fails)
Oper. temp.	-10 to +50 °C
Storage temp.	-40 to +60 °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

testo Saveris™ Router	Part no.
Saveris router, 868 MHz, radio transmission medium	0572 0119
Saveris router, 2.4 GHz, radio transmission medium	0572 0159

testo Saveris™ Converter	Part no.
Saveris converter, 868 MHz, converts the radio transmission medium to Ethernet	0572 0118
Saveris converter, 2.4 GHz, converts the radio transmission medium to Ethernet	0572 0158

No mains units are contained in this ordering data.



Technical data	Router	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, PoE, power consumption < 2 W
Oper. temp.	-20 to +50 °C	-20 to +50 °C
Storage temp.	-40 to +60 °C	-40 to +60 °C
Material/Housing	Plastic	Plastic
Protection class	IP54	IP54
Interfaces	Radio	Radio, Ethernet
Connectable radio probe	max. 5	max. 15
Wall bracket	included	included

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)

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 Energizer L91 Photo lithium)	0515 0572
100-240 V AC / 6.3 V DC international mains unit; for mains operation or battery charging in instrument	0554 1096
Mains unit (top-hat rail mounting) 90 to 264 VAC/24 VDC (2.5 A)	0554 1749
Mains unit (desk-top) 110 to 240 VAC/24 VDC (350mA)	0554 1748

Other features	Part no.
Magnetic foot aerial (dualband) with 3 m cable, for base with GSM module (not suitable for USA, Canada, Chile, Argentina, Mexico)	0554 0524
Magnetic foot aerial (quadband) for base with GSM module	0554 0525
Alarm module (visual + acoustic), can be connected to base alarm relay, Ø 70 x 164 mm, 24 V AC/DC / 320 mA, perm. light: red, perm. tone: buzzer approx. 2.4 kHz (Mains unit 0554 1749 required)	0572 9999 ID-Nr. 0699 6111/1
Programming adapter (from mini-DIN to USB) for Ethernet probe and converter (necessary if no DHCP server available)	0440 6723

Software	Part no.
SBE software, incl. USB connecting cable base-PC	0572 0180
PROF software, incl. USB connecting cable base-PC	0572 0181
CFR software, incl. Ethernet connection cable PC to Base	0572 0182
Saveris adjustment software incl. connection cable for wireless and Ethernet probes	0572 0183

Calibration Certificates	Part no.
ISO calibration certificate/temperature; Temperature probes; calibration points -8 °C; 0 °C; +40 °C per channel/instrument (suitable for Saveris T1/T2)	0520 0171
ISO calibration certificate/temperature; Temperature probes; calibration points -18 °C; 0 °C; +60 °C; per channel/instrument (not suitable for Saveris T1/T2)	0520 0151
DKD calibration certificate/temperature; Temperature probes; calibration points -20 °C; 0 °C; +60 °C; per channel/instrument (not suitable for Saveris T1/T2)	0520 0261
ISO calibration certificate humidity; calibration points 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	0520 0076
DKD calibration cert./humidity; humidity data logger; cal. points 11.3%RH and 75.3%RH at +25°C; per channel/instrument	0520 0246

Pt100 Plug-in probes	Illustration	Meas. range	Accuracy	t99	Part no.
♦ Robust, Pt100 stainless steel food probe (IP65) 	125 mm 15 mm 0.4 mm 0.3 mm Conn.: Fixed cable	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range)	10 s	0609 2272
♦ Robust, waterproof Pt100 immersion/penetration probe 	114 mm 50 mm 0.5 mm 0.37 mm Fixed cable	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range)	12 s	0609 1273
Connection cable for unlimited Pt100 stationary probes with screw terminals (4-wire technology), max. cable length: 20 m					0554 0213
TC Plug-in probes	Illustration	Meas. range	Accuracy	t99	Part no.
Stationary probe with stainless steel sleeve, TC Type K 	40 mm 0.6 mm Conn.: Fixed cable 1.9 m	-50 to +205 °C	Class 2*	20 s	0628 7533
♦ Robust air probe, T/C Type K 	115 mm 0.4 mm Conn.: Fixed cable 1.2 m	-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 	35 mm 0.20 mm Fixed cable	-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 	75 mm 0.21 mm Conn.: 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 to +280°C, TC Type K 	395 mm 20 mm Conn.: 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 Conn.: Fixed cable 1.5 m	-50 to +120 °C	Class 1*	90 s	0628 0020
Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K 	800 mm 0.5 mm Conn.: Fixed cable; Cable/length: 1.5 m	-50 to +400 °C	Class 2*	5 s	0602 0644
Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K 	1500 mm 0.5 mm Conn.: Fixed cable; Cable/length: 1.5 m	-50 to +400 °C	Class 2*	5 s	0602 0645
Thermocouple with TC adapter, flexible, 1500mm long, PTFE, TC Type K 	1500 mm 0.5 mm Conn.: Fixed cable; Cable/length: 1.5 m	-50 to +250 °C	Class 2*	5 s	0602 0646
Immersion tip, flexible, TC Type K 	500 mm 0.5 mm Conn.: Fixed cable; Cable/length: 1.5 m	-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 	1000 mm 0.3 mm Conn.: Fixed cable; Cable/length: 1.5 m	-200 to +1300 °C	Class 1*	4 s	0602 5693
*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).					
NTC Plug-in probes	Illustration	Meas. range	Accuracy	t99	Part no.
Stub probe, IP 54 	35 mm 0.3 mm Conn.: Fixed cable; Cable/length: 2.4 m	-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 	40 mm 0.6 mm 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 imm./pen. probe, 6m cable, IP 67 	40 mm 0.3 mm 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 	40 mm 0.3 mm 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 	40 mm 0.3 mm 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 	125 mm 15 mm 0.4 mm 0.3 mm Conn.: Fixed cable; Cable/length: 1.6 m	-50 to +150 °C ²⁾	±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 	115 mm 50 mm 0.5 mm 0.4 mm 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 	300 mm 30 mm 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
* Probe tested to EN 12830 for suitability in the transport and storage sectors		2) Long-term measurement range +125°C, short-term +150°C or +140°C (2 minutes)			
%RH Plug-in probes	Illustration	Meas. range	Accuracy	Part no.	
♦ Humidity / Temperature Probe 12mm 	0.12 mm Conn.: Fixed cable	-20 to +70 °C, 0 to +100 %RH	±0.3 °C, ±2 %RH (2 to 98 %RH)	0572 6172	
♦ Humidity / Temperature Probe 4 mm 	0.4 mm Conn.: Fixed cable	0 to +40 °C, 0 to +100 %RH	±0.3 °C, ±2 %RH (2 to 98 %RH)	0572 6174	

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