






testo Saveris™ components: Radio probe

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 on the display.

		°C / °F				
		NTC internal	NTC internal	TC external	TC external	Pt 100 external
 <p>Radio</p>		 <p>Saveris T1 Radio probe with internal NTC</p>	 <p>Saveris T2 Radio probe with external probe connection and internal NTC, door contact</p>	 <p>Saveris T3 2-channel radio probe with 2 external TC probe connections (TC characteristics can be selected)</p>	 <p>Saveris Pt Radio probe with 1 external Pt100 probe connection</p>	
Internal sensor	Probe type	NTC	NTC	-		-
	Measuring range	-35 to +50 °C	-35 to +50 °C	-		-
	Accuracy	± 0.4 °C (-25 to +50 °C) ± 0.8 °C (remaining meas. range)	± 0.4 °C (-25 to +50 °C) ± 0.8 °C (remaining meas. range)	-		-
	Resolution	0.1 °C	0.1 °C	-		-
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 meas. range)	± 0.5 °C or 0.5% of reading)		at +25 °C ± 0.1 °C (0 to +60 °C) ± 0.2 °C (-100 to +200 °C) ± 0.5 °C (remaining meas. range)
Resolution (instrument)	-	0.1 °C	0.1 °C / TC Type S 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 life (Type: 4 x AA)	Battery life 3 years at +25 °C; 3 years with Energizer L91 Photo lithium batteries for freezer applications					
Housing material	Plastic					
Protection class	IP68		IP54		IP68	
Radio frequency	868 MHz					
Meas. cycle	Standard 15 min, can be set from 1 min up to 24 h					
Memory	6.000 readings per channel					
Conformity with standards	DIN EN 12830			-		
Oper. temp.	-35 to +50 °C			-20 to +50 °C		
Storage temp.	-40 to +55 °C (incl. batteries)					
Display (optional)	2-line LCD; 7 segments with symbols					
Transmission distance	approx. 300 m free field at a frequency of 868 MHz					
Wall holder	included					

Versions		Saveris T1	Saveris T2	Saveris T3	Saveris Pt
868 MHz	Version without display	Order no. 0572 1210 *	Order no. 0572 1211 *	Order no. 0572 9212 *	Order no. 0572 7211 *
	Version with display	Order no. 0572 1220 *	Order no. 0572 1221 *	Order no. 0572 9222 *	Order no. 0572 7221 *

The AA alkali manganese mignon batteries (0515 0414) are contained in this ordering data (excepting analog coupler). Saveris probes are delivered with a calibration protocol of the works adjustment data. Calibration certificates must be ordered separately.

* The Saveris Converter V 2.0 (order no. 0572 0218) is required for integration of Saveris wireless probes into systems with Base firmware V 1.X For more information please contact your Testo partner.

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Radio

°C / °F and %RH				mA and V	
% RH	NTC	% RH	NTC	mA	V
external	external	internal	external	internal	internal
<p>Saveris H2 D Humidity radio probe</p>		<p>Saveris H3 Humidity radio probe</p>		<p>Saveris H4 D Radio probe with 1 external humidity probe connection</p>	
<p>Saveris U1 Radio probe with current/voltage input</p>					

	Internal sensor		External probe		
	NTC	Humidity sensor	NTC	Humidity sensor	
Probe type	–	–	–	–	1 channel: Current/voltage input
Measuring range	–	–20 to +50 °C	–	0 - 100 %RH ¹⁾	2-wire: 4 ... 20 mA 4-wire: 0/4 ... 20 mA, 0 to 1/5/10 V, load: max. 160 Ω at 24 V DC
Accuracy	–	± 0.5 °C	–	±3 %RH at +25 °C ±0,03 %RH/K ±1 Digit	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 % / 0.1 °Ctd	–
Probe type	NTC	Humidity sensor	–	–	–
Meas. range (instrument)	-20 to +50 °C	0 to +100 %RH ¹⁾	–	–	–
Accuracy (instrument)	± 0.5 °C	to 90 %RH: ±2 %RH at 25° C > 90 %RH: ±3 %RH at 25° C ±0,03 %RH/K ± 1 Digit	–	–	–
Resolution (instrument)	0.1 °C	0,1%/0.1 °Ctd	–	–	–
Connection	fixed stump probe	–	–	1 x external humidity probe Mini DIN socket	2/4-wire current/voltage input 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 x AA)	Batory life 3 years at +25 °C; 3 years with Energizer L91 Photo lithium batteries for freezer applications				Supply: Mains unit 6.3 V DC, 20 to 30 V DC max. 25 V AC
Housing material	Plastic				
Protection class	IP54	IP42	IP54	IP54	IP54
Radio frequency	868 MHz				
Meas. cycle	Standard 15 min, can be set from 1 min up to 24 h				
Memory	6.000 readings per channel				
Oper. temp.	-20 to +50 °C				
Storage temp.	-40 to +55 °C (incl. batteries)				
Display (optional)	2-line LCD; 7 segments with symbols				(no display)
Transmission distance	approx. 300 m free field at a frequency of 868 MHz				
Wall holder	included				

Versions		868 MHz	
Version without display		Saveris H3 Order no. 0572 6210 *	Saveris U1 Order no. 0572 3210 *
Version with display	Saveris H2 D Order no. 0572 6222 *	Saveris H3 D Order no. 0572 6220 *	Saveris H4 D Order no. 0572 6224 *

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¹⁾ Not for condensing atmosphere. For continuous applications in high humidity (>80 %RH at ≤30 °C for >12 h, >60 %RH at >30 °C for >12h), please contact us via www.testo.com.

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