

Multi-function measuring instrument

testo 435 - The allrounder for ventilation and indoor air quality

Large selection of probes (optional):

IAQ probe for evaluating Indoor Air Quality

Thermal probes with integrated temperature and air

humidity measurement

Vane and hot wire probes

Integrated differential pressure probe for Pitot tube

measurement (see versions)

Wireless probe for temperature and humidity (see versions)

Easy operation with user profiles

PC software for the analysis, archiving and documentation of measurement data (see versions)





All HVAC measurement parameters

The multi-function measuring instrument testo 435 is your reliable partner for analyzing Indoor Air Quality. Indoor Air Quality has a crucial influence on the well-being of humans at their workplaces, and is also a determining and important factor in storage and production processes.

In addition to this, the Indoor Air Quality signals whether the HVAC system is working at optimum energy level, or needs to be adjusted using the testo 435. The parameters CO2, relative humidity and room temperature are available for the evaluation of Indoor Air Quality.

In addition to this, absolute pressure, draught, Lux, U-value and surface temperature can be measured. For the

determination of volume flow, you can use all possiblities for the measurement of flow velocity – such as thermal probes, vanes and Pitot tubes.

The right instrument for every application

The new testo 435 is available in four versions. Depending on the application, you can choose from versions with built-in differential pressure measurement as well as versions with additional instrument functions such as instrument memory, PC software and an extended range of probes.





Technical data

testo 435-1

testo 435-1 multi-functional measurement instrument for A/C, ventilation and Indoor Air Quality, battery and calibration protocol included

Part no. 0560 4351



testo 435-2

testo 435-2 multi-function measuring instrument for air conditioning, ventilation and Indoor Air Quality with data memory, PC software and USB data transfer cable, includes battery and calibration protocol

Part no. 0563 4352

testo 435-3

testo 435-3 multi-functional measurement instrument with built-in differential pressure measurement for A/C, ventilation and Indoor Air Quality, battery and calibration protocol included

Part no. 0560 4353

testo 435-4

testo 435-4 multi-function measuring instrument with built-in differential pressure measurement for air conditioning, ventilation and Indoor Air Quality, with data memory, PC software and USB data transfer cable, includes battery and calibration protocol

Part no. 0563 4354

Improved convenience of operation thanks to user profiles

The operation of testo 435 is easy and efficient: User profiles are stored for the typical applications duct measurement and IAQ measurement. This makes complicated programming of the measuring instrument unnecessary.

Secure measurement data monitoring

The measurement data reports provide the customer with the data from the duct, long-term and degree of turbulence measurement. The company logo can be integrated into the form. The testo 435-1 and testo 435-3 allow the measurement values to be printed cyclically on the Testo fast printer.

Flexibility thanks to wireless probes

In addition to classical probes on wires, a wireless measurement up to a distance of 20 m (without obstruction) is possible. Damage to the wire or hindrances in usage are thus eliminated. A maximum of three wireless probes can be recorded and displayed with testo 435. The wireless probes are for the measurement parameters temperature and, depending on the instrument type, humidity. The optional, easily plugged-in radio module can be retrofitted at any time.



Measure temperature and humidity values wirelessly over a distance of up to 20m without obstruction



2 connections for external probes

General technical data

Oper. temp.	-20 to +50 °C		
Storage temp.	-30 to +70 °C		
Dimensions	220 x 74 x 46 mm		
Battery type	Alkali manganese, mignon, Type AA		
Battery life	200 h (typical vane measurement)		
Weight	428 g		
Material/Housing	ABS/TPE/Metal		
Protection class	IP54		
Warranty	2 years		





Technical data

Overview of versions testo 435

The table provides a fast overview of the connectable probes and the instrument equipment per version.

Connectable probes (optional)	testo 435-1	testo 435-2	testo 435-3	testo 435-4
IAQ probe for the measurement of CO ₂ , air temperature, indoor air humidity and absolute pressure	Х	Х	Х	Х
Thermal flow velocity probe with integrated temperature and air humidity measurement	Х	Х	Х	Х
Vane and hot wire probes	Х	X	X	Х
Temperature probe for immersion/penetration, air and surface measurements	Х	Х	X	Х
Wireless probes for temperature measurements	Х	X	X	Х
Ambient CO probe	Х	Х	Х	Х
Absolute pressure probe	Х	Х	Х	Х
Integrated differential pressure measurement for flow velocity measurement with Pitot tube and for monitoring filters (not retro-fittable)			Х	Х
Comfort probe for degree of turbulence measurement for the objective evaluation of the air velocity in a room		Х		Х
Humidity probe for air temperature and air humidity measurements		X		Х
Wireless probe for air temperature and air humidity measurement		X		Х
Lux probe for the measurement of light intensity		X		Х
Temperature probe for determining U-value		Х		Х
Instrument equipment				
Easy operation with user profiles	Х	X	Х	Х
Illuminated display	Х	X	Х	Х
Testo fast printer for documenting measurement data (optional)	X	Х	Х	Х
Instrument store for 10,000 measurement values (not retro-fittable)		Х		Х
PC software for the analysis, archiving and documentation of the readings		X		X

testo 435-1/-2/-3/-4

Sensor types	NTC	Type K (NiCr-Ni)	Type T (Cu-CuNi)	Testo humid. sensor cap.
Meas. range	-50 to +150 °C	-200 to +1370 °C	-200 to +400 °C	0 to +100 %RH
Accuracy ±1 digit	±0.2 °C(-25 to +74.9 °C) ±0.4 °C (-50 to -25.1 °C) ±0.4 °C (+75 to +99.9 °C) ±0.5% of mv (remaining range)	±0.3 °C (-60 to +60 °C) ±(0.2 °C +0.3% of mv) (remaining range)	±0.3 °C (-60 to +60 °C) ±(0.2 °C +0.3% of mv) (remaining range)	See probe data
Resolution	0.1 °C	0.1 °C	0.1 °C	0.1 %RH
	Vane	Hot wire	Absolute pressure probe	CO ₂ (IAQ probe)
Meas. range	0 to +60 m/s	0 to +20 m/s	0 to +2000 hPa	0 to +10000 ppm CO ₂
Accuracy ±1 digit	See probe data	See probe data	See probe data	See probe data
Resolution	0.01m/s (60 vane) 0.1 m/s (16 vane)	0.01 m/s	0.1 hPa	1 ppm CO ₂

	testo 435-2/-4	testo 435-3/-4
Sensor types	Lux	Differential pressure probe, internal
Meas. range	0 to +100000 Lux	0 to +25 hPa
Accuracy ±1 digit	See probe data	±0.02 hPa (0 to +2 hPa) 1% of mv (remaining range)
Resolution / Overload	1 Lux; 0.1 Hz	0.01 hPa / 200 hPa





Accessories

Service case for measuring instrument, proba and accessories, dimensions 520 x 380 x 120 mm 0516 0435 Additional accessories and spare parts Handle for attachable humidity probe head for connection to testo 835, incl. probe wire, for measurement / calibration of humidity probe head testovent 410, volume flow funnel, 0 340 mm/330x330 mm, incl. case 0554 0410 testovent 415, volume flow funnel, 0 210 mm/210x210 mm, incl. case 0554 0415 testovent 417 funnel set for disc valve (200x200 mm) and ventilator (330x330 mm) for ingoing and outgoing air 0563 4170 Connection hose; allicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose; allicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0560 connection hose silicone, 5 m long; max. load 700hPa (mbar) 0554 0440 0554	Transport and Protection	Part no.
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measurement data documentation legible for up to 10 years Spare thermal paper for printer (6 rolls) External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz Calibration Certificates ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C ISO calibration certificate humidity Calibration points 11.3 %RH and 75.3 %RH at +25°C ISO calibration certificate pressure differential pressure; 5 points distributed over meas. range ISO calibration certificate velocity hot wire, vane anemometer; calibration points 0.5; 0.8; 1; 1.5 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate/light O520 0010 Calibration certificate/CO2 O520 0033	Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries; for printing out measurements on site , for printing out measurements on site	0554 0549
measurement data documentation legible for up to 10 years Spare thermal paper for printer (6 rolls) External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz Calibration Certificates ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C ISO calibration certificate humidity Calibration points 11.3 %RH and 75.3 %RH at +25°C ISO calibration certificate pressure differential pressure; 5 points distributed over meas. range ISO calibration certificate velocity hot wire, vane anemometer; calibration points 0.5; 0.8; 1; 1.5 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate/light O520 0010 Calibration certificate/CO2 O520 0033		0554 0549
External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz Calibration Certificates ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C ISO calibration certificate humidity 0520 0006 Calibration points 11.3 %RH and 75.3 %RH at +25°C ISO calibration certificate pressure differential pressure; 5 points distributed over meas. range ISO calibration certificate velocity hot wire, vane anemometer; calibration points 0.5; 0.8; 1; 1.5 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate/light 0520 0010 Calibration certificate/CO2 0520 0033	measurement data documentation legible for up to 10 years	
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Calibration points 11.3 %RH and 75.3 %RH at +25°C ISO calibration certificate pressure differential pressure; 5 points distributed over meas. range ISO calibration certificate velocity hot wire, vane anemometer; calibration points 0.5; 0.8; 1; 1.5 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate/light 0520 0010 Calibration points 0;500;1000;2000;4000 Lux ISO calibration certificate/CO2 0520 0033	ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071
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hot wire, vane anemometer; calibration points 0.5; 0.8; 1; 1.5 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate/light Calibration points 0;500;1000;2000;4000 Lux ISO calibration certificate/CO2 O520 0033	ISO calibration certificate pressure differential pressure; 5 points distributed over meas. range	0520 0005
hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate/light Calibration points 0;500;1000;2000;4000 Lux ISO calibration certificate/CO2 0520 0033	ISO calibration certificate velocity hot wire, vane anemometer; calibration points 0.5; 0.8; 1; 1.5 m/s	0520 0024
hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s ISO calibration certificate/light Calibration points 0;500;1000;2000;4000 Lux ISO calibration certificate/CO2 0520 0033	ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s	0520 0004
Calibration points 0;500;1000;2000;4000 Lux ISO calibration certificate/CO2 0520 0033	ISO calibration certificate velocity hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s	0520 0034
	ISO calibration certificate/light Calibration points 0;500;1000;2000;4000 Lux	0520 0010
	ISO calibration certificate/CO2 CO2 probes; calibration points 0; 1000; 5000 ppm	0520 0033





Probes

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t99	Part no.
	0 to +50 °C 0 to +100 %RH 0 to +10000 ppm CO ₂ +600 to +1150 hPa	±0.3 °C ±2 %RH (+2 to +98 %RH) ±(50 ppm CO ₂ ±2% of mv) (0 to +5000 ppm CO ₂) ±(100 ppm CO ₂ ±3% of mv) (+5001 to +10000 ppm CO ₂) ±3 hPa		0632 1538
6	0 to +500 ppm CO	±5% of mv (+100.1 to +500 ppm CO) ±5 ppm CO (0 to +100 ppm CO)		0632 123
1/-2/-3/-4)				
	-20 to +70 °C 0 to +100 %RH 0 to +20 m/s	±0.3 °C ±2 %RH (+2 to +98 %RH) ±(0.03 m/s +4% of mv)		0635 153
	+0.6 to +40 m/s	±(0.2 m/s +1.5% of mv)		0635 953
	Oper. temp. 0 to +60 °C			
	+0.25 to +20	±(0.1 m/s +1.5% of mv)		0635 933
*	Oper. temp. 0 to +60 °C			
-	0 to +20 m/s -20 to +70 °C	±(0.03 m/s +5% of mv) ±0.3 °C (-20 to +70 °C)		0635 102
1/-2/-3/-4)				
	+0.3 to +20 m/s 0 to +50 °C	$\pm (0.1 \text{ m/s} + 1.5\% \text{ of mv})$ $\pm 0.5 ^{\circ}\text{C}$		0635 943
				0563 417
435-1/-2/-3/-4)				
On the second se	0 to +2000 hPa	±5 hPa		0638 183
4)				
115 mm 50 mm	-50 to +125 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	60 s	0613 171
		(i contract of the contract of
	Probe shaft/probe shaft tip	Probe shaft/probe shaft tip 10 to +50°C 10 to +100 %RH 0 to +1000 for +1150 hPa 11-21-31-4) 12-21-31-4) 13-21-31-4) 14-25-11-21-31-4) 15-20 to +70°C 0 to +100 %RH 0 to +20 m/s 0 per. temp. 0 to +60°C 10 to +20 m/s -20 to +70°C 11-21-31-4) 10 to +20 m/s -20 to +70°C 11-21-31-4) 11-21-31-4) 10 to +20 m/s -20 to +70°C 11-21-31-4) 10 to +20 m/s -20 to +70°C	Probe shaft/probe shaft tip range 10 to ±50 °C 22 SRH (-2 to ±98 %RH) 250 ppm CO, 25% of my) (0 to ±1000 ppm CO, 25% of my) (10 to ±500 ppm CO, 25% of my) (10 to ±500 ppm CO) 25 ppm CO (10 to ±100 ppm CO) 25 pp	1/-2/-3/-4 10 to +200 m/s 1/-2/-3/-4 1/-2/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-3/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-3/-3/-3 1/-2/-

²⁾ More temperature probes on the internet at www.testo.com





Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t99	Part no.
Surface probes ²⁾ (testo 435-1/-2	/-3/-4)				
Fast-action surface probe with sprung thermocouple strip, also for uneven surfaces, measurement range short-term to +500°C, TC Type K, Fixed cable	115 mm Ø 5 mm Ø 12 mm	-60 to +300 °C	Class 2 ¹⁾	3 s	0602 0393
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K, Fixed cable		-60 to +130 °C	Class 2 1)	5 s	0602 4592
Clamp probe for measurements on pipes, pipe diameter 15 to 25 mm (max. 1"), meas. range short-term up to +130°C, TC Type K, Fixed cable		-50 to +100 °C	Class 2 1)	5 s	0602 4692
Fast-reaction paddle surface probe, for measurements in inaccessible places, e.g. narrow apertures and slots, TC Type K, Fixed cable	145 mm 40 mm	0 to +300 °C	Class 2 ¹⁾	5 s	0602 0193
Immers./penetr. probes 2) (testo	435-1/-2/-3/-4)				
Waterproof immersion/penetration probe, TC Type K, Fixed cable 1.2 m	114 mm 50 mm 0 5 mm 0 3.7 mm	-60 to +400 °C	Class 2 1)	7 s	0602 1293
IAQ probes (testo 435-2/-4)					
Comfort level probe for degree of turbulence measurement with telescopic handle (max. 820 mm) and stand, meets EN 13779 requirements	max. 820 mm	0 to +50 °C 0 to +5 m/s	±0.3 °C ±(0.03 m/s +4% of mv)		0628 0109
Lux probe, for measuring light intensity		0 to 100.000 Lux 0 to 300 Hz	Accuracy acc. to DIN 13032-1: f1 = 6% = V(Lambda) adjustment f2 = 5% = cos-like weighting, Class C		0635 0545
Humidity probes (testo 435-2/-4)					
Humidity/temperature probe	Ø 12 mm	-20 to +70 °C 0 to +100 %RH	±0.3 °C ±2 %RH (+2 to +98 %RH)		0636 9735
Surface probes 2) (testo 435-2/-4)				
Temperature probe to determine U-value, triple sensor system for		-20 to +70 °C	Class 1 ¹⁾ U-value: ±0.1 ±2% of fsv*		0614 1635
measuring wall temperature, modelling clay included		required when de 1001 or 0613 100 *when used with	an NTC or wireless humidity probe to temperature and 20 K difference between the control of the	93 or 0613 for	
Prandtl's Pitot tubes (testo 435-3	3/-4)				
Pitot tube, 350 mm long, Ø 7 mm, stainless steel, measures flow speed In conjunction with 0638 1347 / 0638 1447 / 0638 1547	350 mm / 500 mm / 1000 mm	J	Oper. temp. 0 to +600 °C		0635 2145 0635 2045
pressure probes or testo 521, with internal sensor Pitot tube, 500 mm long Pitot tube, 1000 mm long	Ø 7 mm				0635 2345

¹⁾ According to standard EN 60584-2, the accuracy of Class 2 refers to -40 to +1200 °C. 2) More temperature probes on the internet at www.testo.com





Radio probes

Radio probes for immersion/pe	enetration r	neasurements			Part no.
Radio immersion/penetration probe, NTC CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU,			IT, SE, AT, DK, F	ī, HU,	0613 1001
Radio immersion/penetration probe, NTC	, approval for U	ISA, CA, CL; Radio freq. 915.00 MHz F	SK		0613 1002
Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t ₉₉	
105 mm 30 mm 0 5 mm 0 3.4 mm	-50 to +275 °C	±0.5 °C (-20 to +80 °C) ±0.8 °C (-50 to -20.1 °C) ±0.8 °C (+80.1 to +200 °C) ±1.5 °C (remaining range)	0.1 °C	t ₉₉ (in water) 12 s	
Radio handles with probe head	d for air-/ in	nmersion-penetration-meas.			Part no.
Radio handle for plug-in probe heads, ind DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, C	CY, SK, LU, EE,	LT, IE, LV, NO; Radio freq. 869.85 MHz	z FSK	, SE, AT,	0554 0189
T/C probe head for air/immersion/penetra		<u> </u>	•	17	0602 0293
Radio handle for plug-in probe heads, inc T/C probe head for air/immersion/penetra	•			ĸ	0554 0191 0602 0293
Dimensions Probe shaft/probe shaft tip	Measuring	Accuracy	Resolution	t ₉₉	0002 0293
100 mm 30 mm Ø 5 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	t ₉₉ (in water) 10 s	
Radio handles with probe head	d for surfac	e measurement			Part no.
Radio handle for plug-in probe heads, inc DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, (, SE, AT,	0554 0189
T/C probe head for surface measurement	, attachable to	radio handle, T/C Type K			0602 0394
Radio handle for plug-in probe heads, inc	I. T/C adapter,	approval for USA, CA, CL; Radio freq.	915.00 MHz FS	K	0554 0191
T/C probe head for surface measurement	, attachable to	radio handle, T/C Type K			0602 0394
Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t ₉₉	
0 5 mm 40 mm 0 12 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	5 s	
Radio probes incl. humidity pr	obe head				Part no.
Radio handle for plug-in probe heads, inc DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, G	CY, SK, LU, EE,			, SE, AT,	0554 0189
Humidity probe head, attachable to radio	handle				0636 9736
Radio handle for plug-in probe heads, inc Humidity probe head, attachable to radio	•	approval for USA, CA, CL; Radio freq.	915.00 MHz FS	K	0554 0191 0636 9736
Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution		
	0 to +100 %RH -20 to +70 °C	±2 %RH (+2 to +98 %RH) ±0.3 °C	0.1 %RH 0.1 °C		
Radio handles for attachable 1	T/C probes				Part no.
Radio handle for plug-in probe heads, inc DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, (, SE, AT,	0554 0189
Radio handle for plug-in probe heads, inc	cl. T/C adapter,	approval for USA, CA, CL; Radio freq.	915.00 MHz FS	K	0554 0191
Illustration	Measuring range	Accuracy	Resolution		
	-50 to +1000 °C	±(0.7 °C +0.3% of mv) (-40 to +900 °C) ±(0.9 °C +0.5% of mv) (remaining range)	0.1 °C (-50 to +1 1.0 °C (remaining		-







Radio probes

Radio module for upgrading measuring instrument with radio option

Part no.

Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	0554 0188	
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA, CA, CL	0554 0190	

Technical data Radio probes

Radio immersion/penetration probe, NTC

Battery type	2 x 3V button cell (CR 2032)	
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)	
Radio handle		
Battery type	2 AAA micro batteries	
Battery life	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)	

Common Technical Data

Measuring rate	0.5 s or 10 s, adjustable on handle
Radio coverage	Up to 20 m (without obstructions)
Radio transmission	Unidirectional
Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C
Protection class	IP54