sauermann®

KIMO®
INSTRUMENTS

SMART BUILDING AND COMFORT

sauermanngroup.com

ABOUT US

Member of the Verder group, Sauermann group has designed, manufactured and sold products and services dedicated to the industrial and HVACR markets for over 40 years. The group specifically focuses on the detection, measurement and control of indoor air quality (IAQ).

Member of the Verder group, Sauermann group operates two main brands:

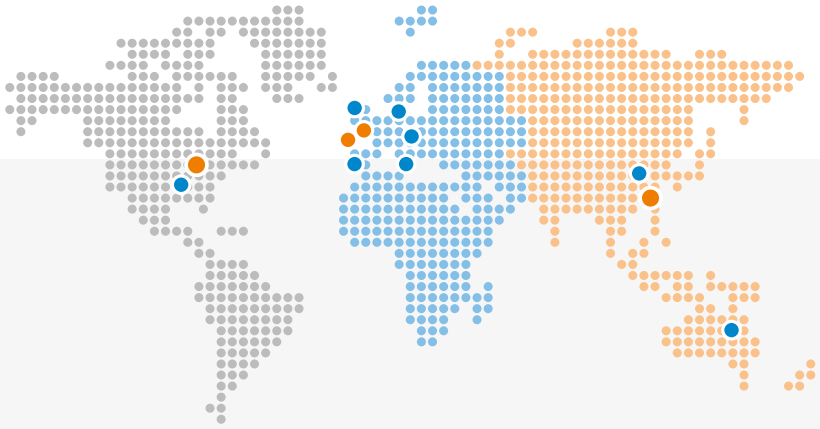
- The **Sauermann** brand, through condensate removal pumps, instruments and accessories, primarily addresses the needs of Heating, Ventilation, A/C or Refrigeration contractors.
- The **Kimo** brand, through measuring instruments, meets the air management needs in light commercial and industrial installations.

HIGH ACCURACY
UNMATCHED RELIABILITY
MULTIPLE APPLICATIONS

Measurement instruments: Sauermann measurement instruments monitor a broad spectrum of indoor air quality parameters and serve a wide range of applications, from building ventilation (heating and air conditioning) systems, to cold-chain installations and combustion gas analysis. Backed by our testing laboratories and in-house research and development programme, Sauermann instruments deliver the accuracy and reliability that HVACR engineers need.

LOW SOUND LEVEL
LOW FAIL RATE
HIGH PERFORMANCE

Condensate management solutions: Safe and effective condensate management for air quality systems can be a challenge. Sauermann pumps are designed to look good, while our patented piston technology delivers whisper-quiet operation and unrivalled reliability.



North America
●● Sauermann N.A. Corp.,
New York City,
Yardley, PA, USA

EMEA – Europe, Middle East & Africa
● Si Invest SA,
Brussels, BELGIUM

●● Sauermann Industrie S.A.S,
Chevry-Cossigny,
Montpon, FRANCE

● Sauermann GmbH,
Leingarten, GERMANY

● Sauermann UK Ltd.,
Blackpool, UNITED KINGDOM

● Sauermann Iberica,
Barcelona, SPAIN

● Sauermann Italia S.r.l,
Bologna, ITALY

Asia Pacific
●● Sauermann China,
Shanghai (Jiading & Pudong),
CHINA

● Sauermann Australasia,
Sydney, AUSTRALIA

SUMMARY

MONITORING AND REGULATION

04

DATA LOGGING

07

COMMISSIONING AND MAINTENANCE

08

About us 02

Smart Building and Comfort . . . 04

Monitoring and Regulation. 06
Data logging 07
Commissioning and maintenance 08

Full Product List 11

Our Expertise 19

SMART BUILDING AND COMFORT

Increasingly sophisticated smart buildings are being developed to improve efficiency, reduce costs and make life easier and healthier for residents and business owners alike.

A key element in the development of smart building is the ability to infuse a high degree of intelligence into managing Indoor Air Quality (IAQ). IAQ refers to the air quality within and around buildings and structures, especially as it relates to the health, safety and comfort of building occupants.

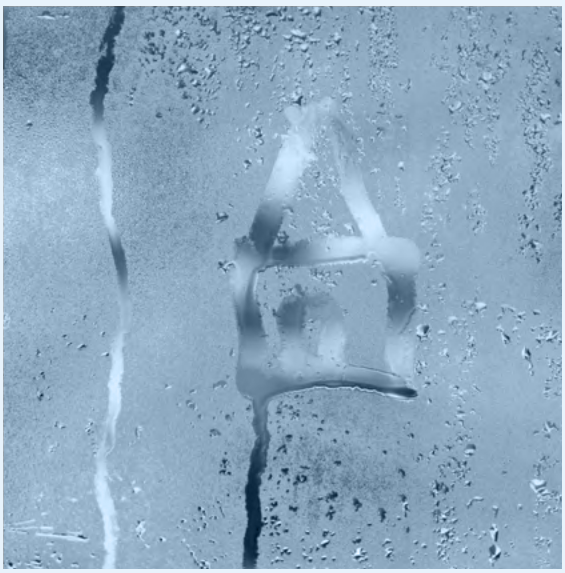
As people spend most of their time indoors, indoor air quality plays a significant part in their general state of health. The indoor air in our homes, schools, offices and factories can be twice, or even up to five times more polluted than outdoor air.

In recent decades, buildings became more and more airtight to be increasingly energy efficient. This is why air ventilation has a critical role to play in renewing indoor ambient air to constantly remove all kinds of pollutants, most bio-organisms and some gases. CO_2 concentration is nowadays one of the most important IAQ parameters to check, because it is the main indicator of the quality of the air renewal rate, called Air Change Rate (ACR).

Photo credit: NOAL Mesure et Contrôle

What does a good air change rate help remove from ambient indoor air?		
Chemical and physical pollutants	**Bio-organisms**	**Gases**
Volatile organic compounds (VOC) Formaldehyde (CH_2O) Micro / Nano particles (PM2.5, PM10...)	Bacteria Viruses Mould	Carbon dioxide (CO_2) Carbon monoxide (CO) Ozone (O_3) Nitrogen Oxides (NO_x) Hydrogen Sulphide (H_2S) Sulphur Dioxide (SO_2)

Unlike ventilation and air-conditioning (VAC), IAQ focuses on the quality of the air inside a room in order to improve the well-being of its occupants. Comfort in terms of temperature, humidity (hygrometry) and even psychrometric parameters such as wet-bulb globe temperature (WBGT) is an important part of IAQ. Sauermann is committed to ensuring the measurement of all these parameters.



Monitoring and Regulation

All modern and modernized buildings are now equipped with a complete ventilation network to renew their indoor air, while managing at least its two main parameters: temperature and hygrometry. This ventilation system is built around an air handling unit (AHU), which centralizes the equipment needed to circulate the air and regulate its parameters.

This is where Sauermann's transmitters come into play. They will constantly monitor the quality of the air flowing out of the AHU. In addition to the exit of AHUs, the transmitters can also monitor air entering rooms inside the building. These stationary instruments ensure high reliability in continuous operation and high measuring accuracy. They transmit their measurements to a central computerized monitoring station to adjust airflow, or trigger alarms in the event of problems with the air supply parameters of the building's AHU.

Photo credit: ISL - Ingeniería Salas Limpias

Constant monitoring of the CO_2 concentration of the air in a ventilation duct at the outlet of an air handling unit.

Solution

CO112-ANA CO_2 transmitter

Continuous monitoring of the temperature and hygrometry of the air circulating in a ventilation duct at the outlet of an air handling unit.

Solution

TH110-POS transmitter

Datalogging

The monitoring of indoor air quality is also necessary within areas that are usually occupied by people. This type of measurement is provided by data loggers, which have the advantage of being completely autonomous and can be placed anywhere easily.

Most public buildings, offices and schools can rely on occasional controls, but they need to be regular and spanning over several days of activity. These controls are sometimes scheduled to check the indoor air quality's compliance with certain standards of health and safety protection for the occupants.

Some managers of sensitive public buildings will prefer to ensure permanent monitoring of the indoor air in certain occupied spaces. This is sometimes the case with nurseries and schools, and other establishments hosting seniors or people in fragile conditions. Data loggers are also preferred for this type of monitoring because of their very long battery life and convenience of use.

Long-term and precise monitoring of the temperature, hygrometry, CO_2 levels and barometric pressure within a room or a living or working space.

Solution

KCC 320
temperature, hygrometry, atmospheric pressure and CO_2 datalogger

Commissioning and maintenance

For commissioning or maintenance diagnostics of ventilation systems, handheld devices are the favorite instruments of HVAC professionals. They provide them with reliable measurements in the palm of their hands with mobile tools that offer rock-solid reliability.

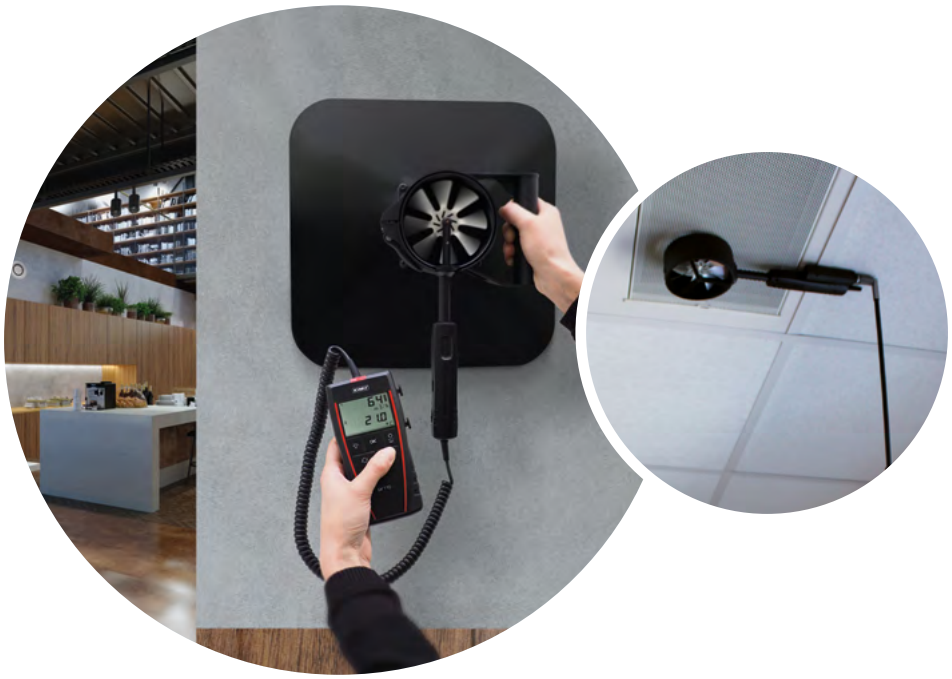
Indoor air quality monitoring is an essential part of this type of activity, closely linked to the proper functioning of the indoor air conditioning system. It can also intervene within the scope of inspections intended to verify if the indoor air management complies with the current regulations.

As part of this type of control, the measurement of the CO_2 levels is particularly relevant. It allows to determine if the indoor air is sufficiently renewed by the ventilation system. This air renewal rate then directly affects the concentration of pollutants, bio-organisms and harmful gases.

Measurement of temperature, hygrometry and CO_2 concentration in a building.

Solution

AMI 310 together
with probes: SCOH 112 + SH 100



Temperature and airflow control at the outlet of a vent or at the inlet of an extraction vent.

Solution

LV 110 + Cones

In-depth control of the temperature and CO_2 levels in the ambient air of a room using a mobile device with a remote probe, capable of reaching every corner of a living space.

Solution

AQ 110

Air flow control at the inlet and outlet of a room, ventilation balancing and calculation of the air change rate. Also controls the temperature and hygrometry of the air.

Solution

DBM 620

Transmitters

Our most common articles for smart building and comfort

	PRODUCT	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
				Pa	°C/°F	%RH	m/s	m³/h	ppm	
Multifunction		Si-C320-D	27940	✓	✓	✓	✓	✓	✓	**Si-C320-D** Multifunction transmitter with 4 analogue outputs (0-5 V / 0-10 V or 0-20 mA / 4-20 mA), 4-wire technology · 24 VAC/VDC power supply. With touch screen display. · 2 inputs for Smart probes, and one location for Si-PRO-DP modules. · IP66 ABS V0 housing VHP resistant. · Supplied with adjustment certificate. · Optional: all interchangeable probes and all compatible Si-PRO-DP modules, calculation of the air velocity and airflow (SQR-3), 4-relay module and wireless communication module. K thermocouple probes for Si-PRO-DP modules and calibration certificate.
Temperature and humidity		TH110-POS	23954	-	✓	✓	-	-	-	**TH110-POS** Relative humidity and temperature transmitter · Ambient ABS V0 IP20 housing with easy-mounting system. · 10-digit display. · Measuring range from 5 to 95 %RH and 0 to 50 °C, 4-20 mA output and 16 to 30 VDC power supply (passive 2-wire). · Optional: LCC-S configuration software.
		TH110-POD	23952	-	✓	✓	-	-	-	**TH110-POD** Relative humidity and temperature transmitter · ABS V0 IP65 housing with easy-mounting system. · 10-digit display, ABS remote probe lenght 150 mm and 2 m cable. · Measuring range from 5 to 95 %RH and -20 to +80 °C, 4-20 mA output and 16 to 30 VDC power supply (passive 2-wire). · Optional: LCC-S configuration software.
		TH110-PNA	23956	-	✓	✓	-	-	-	**TH110-PNA** Relative humidity and temperature transmitter · ABS V0 IP65 housing with easy-mounting system. Without display. · ABS duct mounting probe length 112 mm. · Measuring range 5 to 95 %RH and -20 to 80 °C. 4-20 mA output and 16 to 30 VDC power supply (passive 2-wire). · Optional: LCC-S configuration software.
Gas		CO112-ANA	23998	-	-	-	-	-	✓	**CO112-ANA** CO_2 transmitter · ABS V0 IP65 housing with easy-mounting system. Without display. · Measuring range from 0 to 5000 ppm. Duct mounting probe. · 4-20 or 0-10 V output. 24 VDC or 24 VAC power supply. · Optional: LCC-S configuration software.

Accessories

ACCESSORY	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
	Si-PRO-U-I-150	27984	-	✓	✓	-	-	-	**Si-PRO-U-I-150** Interchangeable hygrometry probe. Stainless steel body with stainless steel filter. For Si-C320 and Si-CPE320 · Remote probe 150 mm length, Ø 13 mm. · Measuring range: 0 to 100 %RH and -40 to +150 °C, with autolock connector. · Supplied with adjustment certificate. · Optional: protection tip and filters.
	Si-ACC-R2	27999	-	-	-	-	-	-	**Si-ACC-R2** Connection cable for Si-PRO-U-I-150 temperature/humidity probe.

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

Accessories

ACCESSORY	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
	SF50-PS-2-100	25997	-	✓	-	-	-	-	**SF50-PS-2-100** Cable temperature probe with resistive element Pt100 class A 3 wires. • Probe Ø 6 mm, 100 mm length, PVC cable, 2 m length. • Operating temperature: -40 °C to +105 °C
	SF50-TS-5-100	26051	-	✓	-	-	-	-	**SF50-TS-5-100** Cable temperature probe with resistive element Pt100 class A 3 wires. • Probe Ø 6 mm, 100 mm length, PTFE cable, 5 m length. • Operating temperature: -50 °C to +260 °C
	Si-ACC-R5	28000	-	-	-	-	-	-	**Si-ACC-R5**: 5 m extension for class 320 interchangeable probes.

Portable instruments

Our most common articles for smart building and comfort

Multifunction

PRODUCT	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
	AMI 310	24752	✓	✓	✓	✓	✓	✓	**AMI 310** Multifunction portable instrument with colour backlit graphic display • With 2 input channels for measuring probes and Pt100 temperature probes (-200 to +600 °C). • 2 channels for K/J/T/S thermocouple input (-200 to +1760 °C). • Output for PC and printer. • Supplied alone, with 2 cables with mini-DIN connector for measuring probes (in option). • 2 lithium ion rechargeable batteries, with USB / power supply adapter cable, micro SD card for data storage, 2 x 1 m of silicone tube Ø 4 x 7 mm, one stainless steel tube Ø 6 mm, 100 mm length, adjustment certificate and transport case. • Optional: all measuring modules, all measuring probes, all temperature probes (wire or wireless), software and printer.
	AMI 310STD	24754	✓	✓	✓	✓	✓	✓	**AMI310STD** Multifunction portable instrument with colour backlit graphic display, • With 2 input channels for measuring probes and Pt100 (-200 to +600 °C) temperature probes, 2 channels for K/J/T/S thermocouple input (-200 to +1760 °C), • Output for PC and printer. Supplied with pressure module (-10,000 +10,000 Pa, 4 to 100 m/s), hotwire probe (0.15 to 30 m/s). • ABS hygrometry probe (3 to 98 %RH and -20 +80 °C). • Ø 100 mm vane probe (0.3 to 35 m/s), Pitot tube 300 mm length, Ø 6 mm, 2 x 1m silicone tube (black and white), stainless steel tube Ø 6 mm, 100 mm length, 2 cables with mini-DIN connector for measuring probes (in option). • 2 lithium ion rechargeable batteries, with USB / power supply adapter cable, micro SD board for data storage, calibration certificate and transport case. • Optional: all measuring modules and probes, all temperature probes, software, printer.
	HQ 210	24745	-	✓	✓	-	-	✓	**HQ 210** Multi-probe portable thermo-hygrometer-air quality with graphic backlit display • 2 input channels for measuring probe and Pt100 (-200 to +600 °C) temperature probe. • Output for PC and printer. Functions: hygrometry, temperature, CO and CO_2. • Supplied alone, with 2 cables with mini-DIN connector for measuring probe (optional), lithium Ion rechargeable battery with USB cable / power supply adapter, and transport case. • Optional: climatic conditions modules, hygrometry and temperature probes (wire or wireless), CO/CO_2 probes, omni-directional probe, software.

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

PRODUCT	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
Differential pressure									
	MP 110	24615	✓	-	-	-	-	-	**MP110** Portable micro-manometer with integrated pressure sensor (0 to +/- 1000 Pa). · 2-line display. Functions: Pressure, Hold, Min, Max, backlight, change of unit, configurable automatic switch-off and manual auto-zero. · Supplied with 2 x 1 m black and white silicone tube, 100 mm length stainless steel tube Ø 6 mm, soft case and calibration certificate.
Temperature and humidity									
	HD 110	24614	-	✓	✓	-	-	-	**HD110** Portable thermo-hygrometer · With remote hygrometer/temperature probe (5 to 95 %RH and -10 to +50 °C), cable length 2 m. · 2-line display. Functions: relative humidity, dew point, temperature, Hold, Min, Max, backlight, change of unit and configurable switch-off. · Supplied with soft case and calibration certificate.
Air velocity and airflow									
	DBM 620	26446	✓	✓	✓	✓	✓	-	**DBM620** Electronic airflowmeter · Measuring ranges from 35 to 4250 m³/h, from -2500 to 2500 Pa, 0.2 to 10 m/s, 0 to 100 %RH and -20 to +70 °C. · Removable wireless pressure measuring unit for use in micromanometer and anemometer mode with different probes (Pitot tube, Debimo blade, DBM VMG velocity grid). · Supplied with base including temperature and humidity probe, pressure measuring unit, 610 x 610 mm (2' x 2') hood including foldable frame and airflow straightener, frame rods with sheath, 2 x 80 cm of silicone tube, calibration certificate and transport case. · The free SmartKapp mobile app is available for data reading and processing on smartphone or tablet.
	HO 622	26451	-	-	-	✓	✓	-	**HO-622** Measuring hood for DBM620 · Dimensions: 720 x 720 mm (2.36' x 2.36') · Supplied with foldable frame and carrying bag.
	HO 623	26452	-	-	-	✓	✓	-	**HO-623** Measuring hood for DBM620 · Dimensions: 720 x 1320 mm (2.36' x 4.33') · Supplied with foldable frame and carrying bag.
	HO 624	26453	-	-	-	✓	✓	-	**HO-624** Measuring hood for DBM620 · Dimensions: 420 x 1520 mm (1.38' x 4.99') · Supplied with foldable frame and carrying bag.
	HO 625	26454	-	-	-	✓	✓	-	**HO-625** Measuring hood for DBM620 · Dimensions: 1020 x 1020 mm (3.35' x 3.35') · Supplied with foldable frame and carrying bag.
	LV 110	24625	-	✓	-	✓	✓	-	**LV110** Portable thermo-anemometer with Ø 100 mm vane probe · Remote Ø 100 mm vane probe (0.3 to 35 m/s and 0 to +50 °C), 2 m cable. · 2-line display. · Functions: air velocity, airflow, airflow with cones (only with Si-K25, Si-K85), temperature, automatic average, detection of airflow direction, Hold / Min / Max, backlight, change of unit and configurable automatic switch-off. · Supplied with soft case and calibration certificate.
	VT 110	24621	-	✓	-	✓	✓	-	**VT110** Portable hotwire thermo-anemometer · Stainless steel remote probe Ø 8 mm (0.15 to 30 m/s and 0 to +50 °C), 300 mm length, cable length 2 m. · 2-line dislay · Functions: air velocity, airflow in duct, airflow with cones (only with K35 and K75), temperature, automatic average, Hold, Min, Max, backlight and configurable automatic switch-off. · Supplied with soft case and calibration certificate.

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

Portable instruments

Our most common articles for smart building and comfort

	PRODUCT	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
				Pa	°C/°F	%RH	m/s	m³/h	ppm	
CO_2		AQ 110	24628	-	✓	-	-	-	✓	**AQ110** Portable CO_2-Meter · With CO_2 / Temperature remote probe (0 to 5000 ppm and 0 to +50 °C), 2 m cable. · 2-line display. · Functions: Hold, Min, Max, backlight, change of unit and configurable automatic switch-off. · Supplied with soft case and calibration certificate.
Tachometry		CT 110	24629	-	-	-	-	-	-	**CT110** Portable tachometer · With optical and contact probe (60 to 60,000 RPM and 4 to 2500 m/min), 2 m cable. · 2-line display. · Functions: Hold, Min, Max, backlight, change of unit, configurable automatic switch-off. · Supplied with 1 m reflective tape, soft case and calibration certificate.

Customized Products

If you are looking for a product (instrument, probe, accessory) not included in this list, please contact us. We can supply a wide range of specific products on request (delivery times may be longer).

Accessories

ACCESSORY	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
	SCOH 112	24776	-	✓	✓	-	-	✓	**SCOH-112** Multi-function probe for CO_2-temperature-hygrometry (0 to 5000 ppm / -20 to +80 °C / 5 to 95 %RH) · With handle, multi-function button, integrated mini-DIN connector, Smart-2014 recognition system. · Supplied with adjustment certificate. · For HQ210 and AMI310.
	SFC 300	24759	-	✓	-	✓	✓	-	**SFC-300** Hotwire probe (0.15 to 30 m/s and 0 to +50 °C) · Stainless steel body, Ø 8 mm, 300 mm length. · Smart-2014 recognition system. · Supplied with adjustment certificate. · For class 210 and 310 portable instruments.
	SFC 900	24760	-	✓	-	✓	✓	-	**SFC-900** Telescopic hotwire probe (0.15 to 30 m/s and 0 to +50 °C). · Length 1 m, with graduation, swivelling at 90°. · With handle, multi-function button, integrated mini-DIN connector. · Smart-2014 recognition system. · Supplied with adjustment certificate. · For class 210 and 310 portable instruments.

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

ACCESSORY	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
	SH 100	24767	-	✓	-	✓	✓	-	**SH-100** Ø 100 mm vane probe (0.3 to 35 m/s and -20 to +80 °C) · With handle, multi-function button, integrated mini-DIN connector. · Smart-2014 recognition system. · Supplied with adjustment certificate. · For MP210, VT210 and AMI310.
	SHF 100	24779	-	✓	-	✓	✓	-	**SHF-100** Wireless Ø 100 mm vane probe (0.3 to 35 m/s and -20 to +80 °C) · Wireless transmission system, with handle and multi-function button. · Supplied with adjustment certificate. · For class 210 and 310 instruments.
	MPR 500	24782	✓	✓	-	-	-	-	**MPR-500** Pressure module, with 1 K/J/T/N thermocouple channel (-500 to +500 Pa, -200 to +1300 °C) · With Smart-2014 recognition system. · Supplied with adjustment certificate. · For MP210 and AMI310.
	MPR 2500	24783	✓	✓	-	-	-	-	**MPR-2500** Pressure module, with 1 K/J/T/N thermocouple channel (-2500 to +2500 Pa, -200 to +1300 °C) · With Smart-2014 recognition system. · Supplied with adjustment certificate. · For MP210 and AMI310.
	MPR 10000	24784	✓	✓	-	-	-	-	**MPR-10000** Pressure module, with 1 K/J/T/N thermocouple channel (-10,000 to +10,000 Pa, -200 to +1300 °C). · With Smart-2014 recognition system. · Supplied with adjustment certificate. · For MP210 and AMI310.
	SHR 110	24769	-	✓	✓	-	-	-	**SHR-110** Hygrometry probe, (3 to 98% and -20 to +80 °C) · 110 mm length, ABS, Ø 13 mm. · With handle, multi-function button, integrated mini-DIN connector. · Smart-2014 recognition system. · Supplied with adjustment certificate. · For HQ210 and AMI310.
	SIPS 150	24840	-	✓	-	-	-	-	**SIPS 150** Pt100 immersion temperature probe (-40 to +250 °C) · Stainless steel probe Ø 4.5 mm, 150 mm length, with handle. · Integrated mini-DIN connector, Smart-2014 recognition system. · Supplied with adjustment certificate. · For class 310 and 310 instruments (Tr 99%: 35 sec).
	K 35	10374	-	-	-	-	✓	-	**K35** Airflow cone for Ø 8 mm hot wire probe · Dimensions: 200 x 200 mm. · Airflow from 10 to 400 m³/h, supply and exhaust. · Supplied with transport bag.
	K 75	10637	-	-	-	-	✓	-	**K75** Airflow cone for Ø 8 mm hot wire probe · Dimensions: 300 x 300 mm. · Airflow from 30 to 750 m³/h, supply and exhaust. · Supplied with transport bag.
	Si-K25	28111	-	-	-	-	✓	-	**Si-K25** Airflow cone for Ø 100 mm vane probe · Internal dimensions: Ø 260 mm. · External dimensions: L 282 x W 282 x H 268 mm. · Airflow: 10 to 400 m³/h, supply and exhaust. · Supplied with transport bag.
	Si-K85	28112	-	-	-	-	✓	-	**Si-K85** Airflow cone for Ø 100 mm vane probe · Internal dimensions: 350 x 350 mm. · External dimensions: L 372 x W 372 x H 327 mm. · Airflow: 10 to 400 m³/h, supply and exhaust. · Supplied with transport bag.

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

Accessories

ACCESSORY	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
	LPC 14	24789	-	-	-	-	-	-	**LPC-14** software, for class 210 and 310 instruments.
	RD 300	12411	-	-	-	-	-	-	**RD300** Straight extension · Length: 300 mm · For hot wire probe and vane probe Ø 14 mm
	RTE	24632	-	-	-	-	-	-	**RTE** telescopic extension · 1 m length, Ø 16 m, can be bent at +/- 90°. · For measuring probes with handle.
	BAT 23	24849	-	-	-	-	-	-	**BAT 23** Lithium ion rechargeable batteries · For class 210 and 310 instruments.
	STA	24771	-	-	-	-	-	-	**STA** Optical and contact tachometry probe · 60 to 60,000 RPM, 30 to 20,000 RPM and 4 to 2500 m/min · With handle, multi-function button, integrated mini-DIN connector, Smart-2014 recognition system. · Supplied with 1 m reflective tape, contact tip and adjustment certificate. · Compatible with MP210, VT210 and AMI310
	CSM	24837	-	-	-	-	-	-	**CSM** Braid cable with mini-DIN male connector · For measuring and Pt100 temperature probes of class 210 and 310 instruments.
	SAD	24792	-	-	-	-	-	-	**SAD** Transport back-pack. · For class 210 and 310 instruments and their accessories.

Customized Products

If you are looking for a product (instrument, probe, accessory) not included in this list, please contact us. We can supply a wide range of specific products on request (delivery times may be longer).

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

Data loggers

Our most common articles for smart building and comfort

	PRODUCT	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
				Pa	°C/°F	%RH	m/s	m³/h	ppm	
Multifunction		KCC 320	25253	✓	✓	✓	-	-	✓	**KCC-320** Temperature / hygrometry / atmospheric pressure / CO_2 datalogger · With internal sensor (-20 to +70 °C, 5 to 95 %RH, 800 to 1100 hPa and 0 to 5,000 ppm). · 2-line display, IP40 protection housing with magnet fixing and anti-theft wall-mounting support. · Wireless communication for mobile and tablets applications (Android and iOS). · Memory capacity: 2,000,000 measuring points.
		KT 320	25248	-	✓	✓	-	-	-	**KT-320** Temperature datalogger · With internal sensor (-40 to +70 °C). · 2-line display, IP65 protection housing with magnet fixing and anti-theft wall-mount support. · 2 external inputs for temperature / hygrometry / current / voltage / impulse probe. · Wireless communication for mobile and tablets (Android and iOS). · Memory capacity: 2,000,000 measuring points.
Temperature and humidity		KH 50	24912	-	✓	✓	-	-	-	**KH-50** Temperature and humidity datalogger · With internal sensor (-20 to +70 °C and 5 to 95 %RH) · 1-line display. IP20 housing with magnet fixing. · Memory capacity 16,000 points.
		KH 120	25231	-	✓	✓	-	-	-	**KH-120** Temperature / hygrometry datalogger · With internal sensor (-20 to +70 °C, 5 to 95 %RH). · 1-line display, IP20 protection housing with magnet fixing. · Built-in USB connector, integrated function for automatic report printing and for configuration via PDF. · Memory capacity: 50,000 measuring points. · Compatible with KILOG 2015 dataprocessing software (optional).
		KH 220-O	25238	-	✓	✓	-	-	-	**KH-220-O** Temperature / hygrometry / light datalogger · With internal sensor (-20 to +70 °C, 5 to 95 %RH, 0 to 10,000 lux). · 2-line display, IP40 protection housing with magnet fixing. · 1 external input for temperature / hygrometry / current / voltage / impulse / water pressure probe. · Memory capacity: 1,000,000 measuring points.
		KT 220-O	25234	-	✓	✓	-	-	-	**KT-220-O** Temperature datalogger · With internal sensor (-40 to +70 °C). · 2-line display, IP65 protection housing, magnet fixing. · 1 external input for temperature / hygrometry / current / voltage / impulse / water pressure probe. · Memory capacity: 1,000,000 measuring points.

Customized Products

If you are looking for a product (instrument, probe, accessory) not included in this list, please contact us. We can supply a wide range of specific products on request (delivery times may be longer).

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

Accessories

ACCESSORY	ITEM	REF.	MEASURED PARAMETERS						DESCRIPTION
			Pa	°C/°F	%RH	m/s	m³/h	ppm	
	KTHD	25322	-	✓	✓	-	-	-	**KTHD** Temperature / hygrometry interchangeable probe · Remote probe (5 to 95 %RH and -20 °C to +70 °C). · Probe body made of ABS, 130 mm length, with stainless steel filter. · PVC cable length 2 m. · With mini-DIN connector for class 220 Kistock.
	KITHA	25265	-	✓	✓	-	-	-	**KITHA** Ambient temperature / hygrometry probe · Smart probe (5 to 95 %RH and -20 to +70 °C). · Probe body made of ABS, 95 mm length with connector and stainless steel filter.
	KTHA	25247	-	✓	✓	-	-	-	**KTHA** Ambient temperature / hygrometry probe · Interchangeable probe (5 to 95 %RH and -20 °C to +70 °C). · Probe body made of ABS, 65 mm length with mini-DIN connector and stainless steel filter. · For class 220 Kistock.
	KITHP 130	25266	-	✓	✓	-	-	-	**KITHP-130** Remote temperature / hygrometry probe · Smart probe (5 to 95 %RH and -20 to +70 °C). · Probe body made of ABS, 130 mm length with stainless steel filter. · PVC cable length 2 m with mini-DIN connector.
	KIC3-N	25244	-	-	-	-	-	-	**KIC3-N** Configuration and dataprocessing software (KILOG 2015) · Supplied with CK-50 USB cable for Kistock (except KT-20 and class 120).
	KBL AA	25240	-	-	-	-	-	-	**KBL-AA** Lithium 3.6 V AA battery · For Kistock class 220 and 320 (2 batteries required on class 320).

Customized Products

If you are looking for a product (instrument, probe, accessory) not included in this list, please contact us. We can supply a wide range of specific products on request (delivery times may be longer).

Pa: Differential pressure - °C/°F: Temperature - %RH: Relative humidity - m/s: Air velocity - m³/h: Airflow - ppm: Gas concentration

OUR EXPERTISE

ACCREDITED MEASUREMENT LABORATORIES, IN-HOUSE RESEARCH AND DEVELOPMENT

Sauermann products and services are backed by cutting-edge facilities and expertise: a team of over 20 experts working at multiple testing and calibration laboratories worldwide, and production lines in France, the United States and China.

Our in-house research and development program – spearheaded by a young, forward-looking group of 20 engineers and 10 technicians - has three aims: to push the boundaries of innovation in ergonomic design, digital technology and connected objects, to patent our technologies, and to consistently set new standards for electronic and mechanical performance in our products.

Over 800 m² of laboratory space

Our experts provide maintenance, adjustment and calibration services for our measurement instruments.

Customer service staff trained by our experts

Our team is here to advise and quote you for the service you need.

After-sales service

Our technicians maintain and repair your devices right where they're made.

Over 20 patents

Including our oscillating piston pump technology and the foldable frame system found on our DBM 620 air flow meter.

Our measurement expertise covers a wide range of fields:

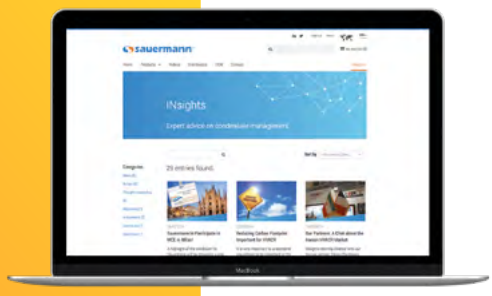
Pressure	Air velocity
Temperature	Air flow
Humidity	Gas analysis
Weight	Light measurement
Radiometry	Electrical current
Tachometry	Acoustics

Professional solutions for condensate management and indoor air quality measurement

INsights

Case studies, useful information and practical advice for HVACR and indoor air quality professionals.

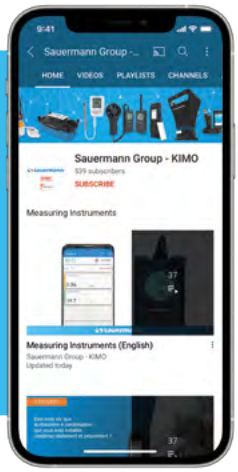
sauermanngroup.com/insights



Sauermann on YouTube

Head to our YouTube channel for tutorials, webinars and product guides.

youtube.com/sauermanngroup



For more information, visit:
sauermanngroup.com

Sauermann Industrie S.A.S
Route de Férolles
77173 Chevry-Cossigny - France
+33 (0)1 60 06 69 25

services@sauermanngroup.com

Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice.

12/2025