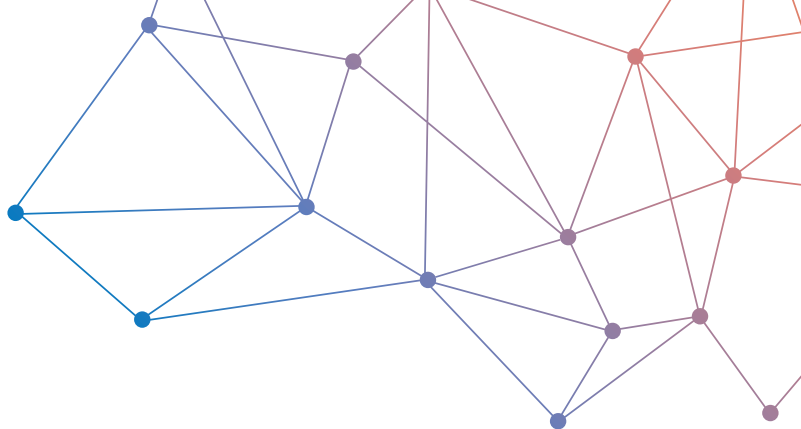




CO

CO<sub>2</sub>

NO

NO<sub>2</sub>

VOC

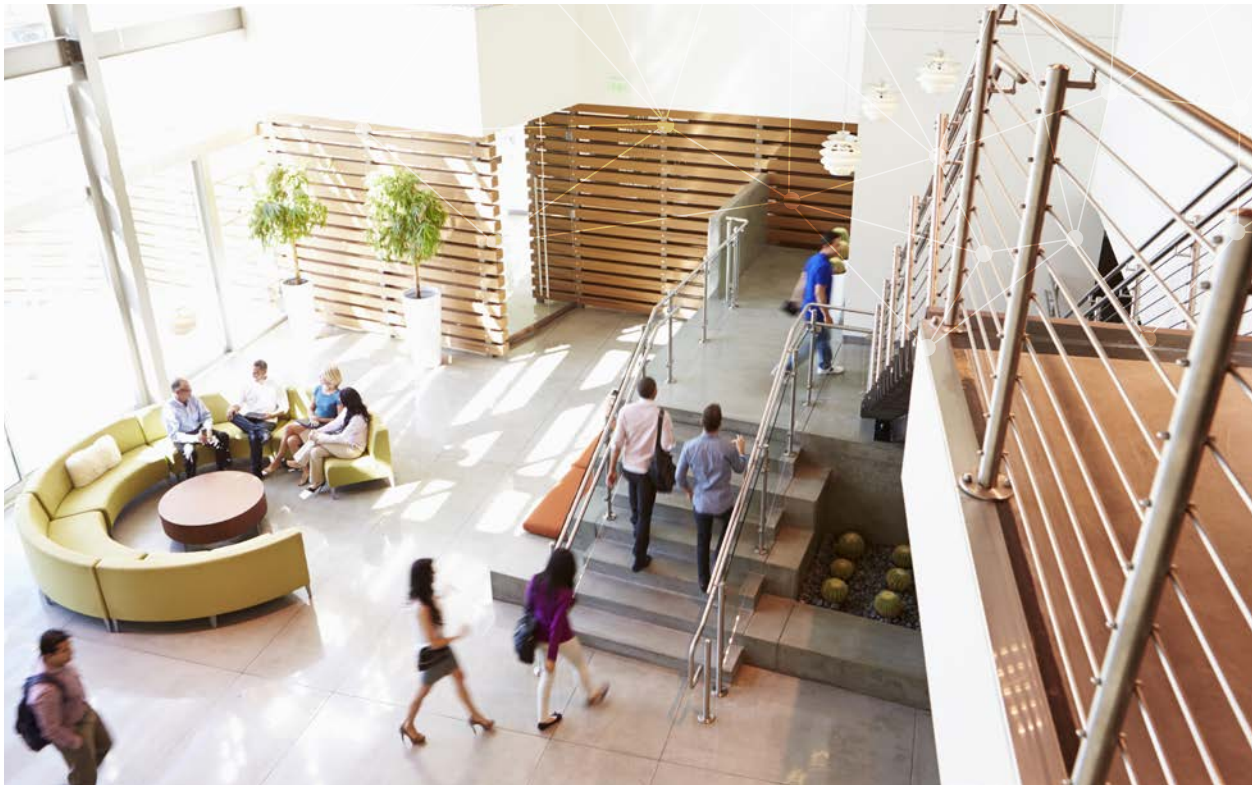
SO<sub>2</sub>



# INDOOR AIR QUALITY MONITORS

**Sauermann Portable Indoor Air Quality Monitoring System**





# Indoor air quality monitors

## Sauermann Portable Indoor Air Quality Monitoring System

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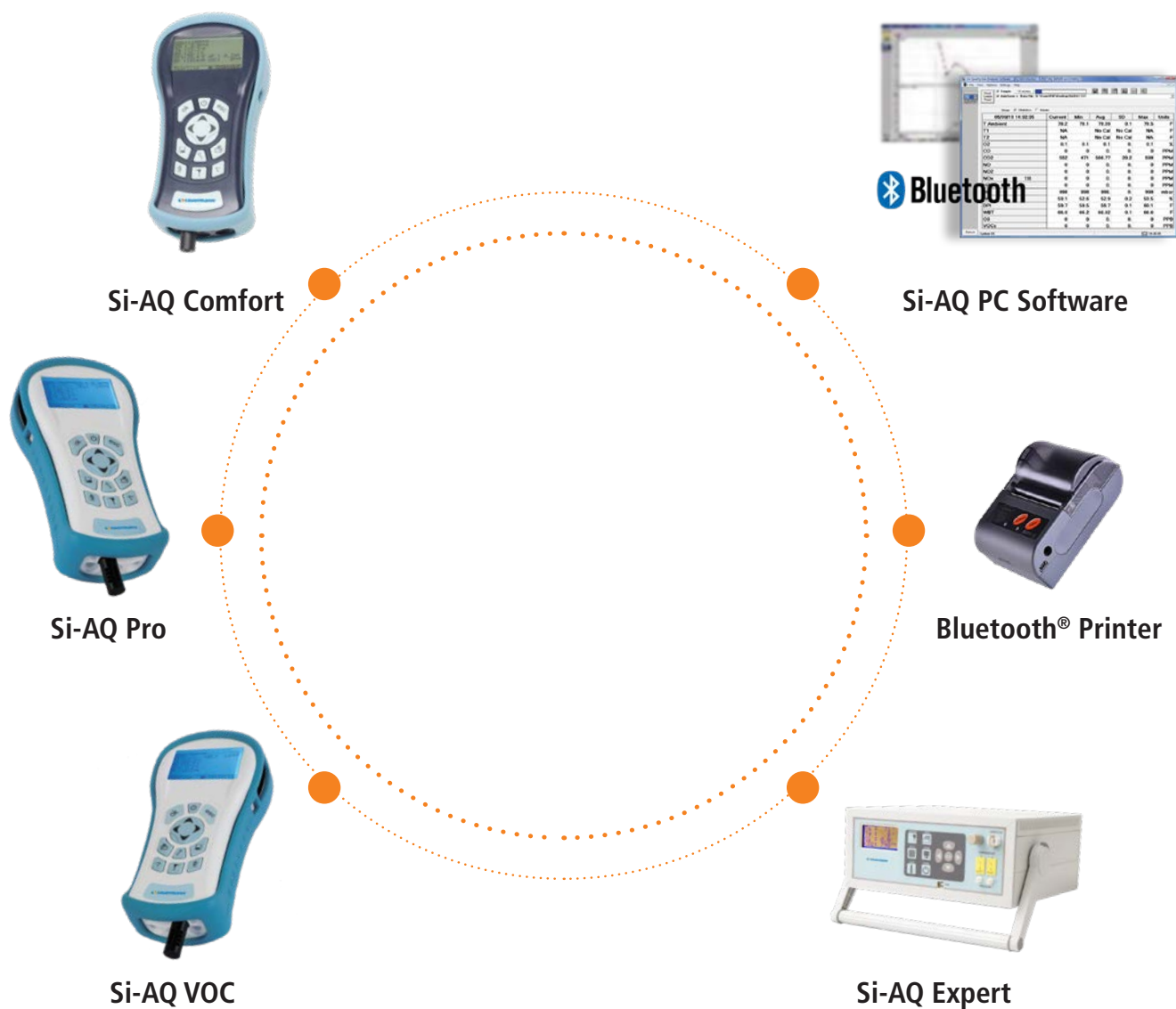
The Sauermann Group has developed a series of four different portable indoor air quality monitoring instruments that offer all the functionality a professional air quality technician needs.

- **Si-AQ Comfort:** Entry-level model IAQ monitor for measurement of CO<sub>2</sub>, CO, temperature and relative humidity IAQ
- **Si-AQ VOC:** Expandable, handheld monitor for detection of Volatile Organic Compounds (VOCs) and harmful gasses
- **Si-AQ Expert:** Portable IAQ Monitor with up to 7 gases sensors for testing indoor air quality in warehouses, office buildings, and other industrial settings
- **Si-AQ Pro:** Handheld instrument for testing indoor air quality in homes, offices and other light industrial settings



# Product overview

## Si-AQ monitors



By offering Indoor Air Quality (IAQ) professionals the ability to custom tailor their IAQ Monitors to meet their own specific requirements. Build your Indoor Air Quality monitor to detect for anywhere from one gas measurement (CO<sub>2</sub> only) up to seven total gas sensors in a single IAQ Monitor.



**REAL-TIME Continuous  
Data Logging**



**Wireless Communications  
with Bluetooth®**



**Active Internal Sampling  
Pump**



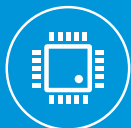
**PC Software and  
USB Included**



**Barometric Air Pressure**



**Light Weight, Durable and  
Easy-to-Transport Design**



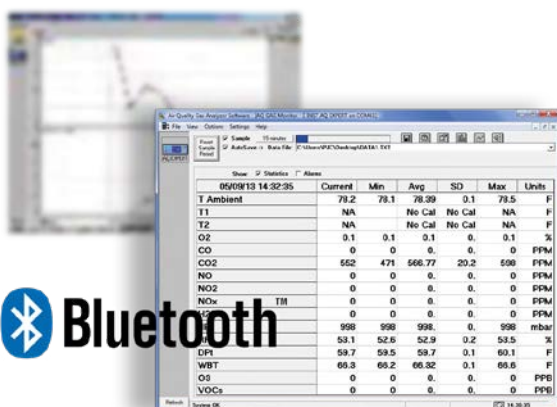
**Large Internal Memory**



**Li-Ion Rechargeable Battery**



**Easy to Use Menu System**



## Si-AQ PC Software

PC software

- Real-time continuous data logging for graphs, maximum, minimum, average for all Indoor Air Quality parameters
- Alarms settings for every air quality parameter including recording the time duration that alarms have been exceeded
- Variety of saving and printing options
- Wireless communications with Bluetooth®

# Technical information

## Si-AQ monitors



Si-AQ Comfort



Si-AQ Pro



Si-AQ VOC



Si-AQ Expert

|                                          |             |             |             |             |
|------------------------------------------|-------------|-------------|-------------|-------------|
| % Relative Humidity, Dew Point, Wet Bulb | Optional    | ✓           | ✓           | ✓           |
| Ambient Temperature Measurement          | ✓           | ✓           | ✓           | ✓           |
| Differential Pressure Measurement        | ✓           | ✓           | ✓           | ✓           |
| Barometric Pressure Measurement          | Optional    | ✓           | ✓           | ✓           |
| Real-Time Data Logging Software          | Optional    | ✓           | ✓           | ✓           |
| Continuous Sampling Pump                 | ✓           | ✓           | ✓           | ✓           |
| Internal Memory                          | 2,000 Tests | 2,000 Tests | 2,000 Tests | 2,000 Tests |
| Wireless Bluetooth® Printer              | Optional    | Optional    | Optional    | Optional    |

### Gas Sensor Options

|                                                          |          |          |          |          |
|----------------------------------------------------------|----------|----------|----------|----------|
| Upgradeable: Includes Up to <b>Three (3)</b> Gas Sensors | -        | ✓        | ✓        | -        |
| Upgradeable: Includes Up to <b>Seven (7)</b> Gas Sensors | -        | -        | -        | ✓        |
| O <sub>2</sub> (0 - 25 %)                                | -        | Optional | Optional | Optional |
| CO <sub>2</sub> (0 - 5,000 ppm)                          | ✓        | Optional | Optional | Optional |
| CO (0 - 200 ppm)                                         | Optional | Optional | Optional | Optional |
| H <sub>2</sub> S (0 - 100 ppm)                           | -        | Optional | Optional | Optional |
| TVOC's (0 - 20,00 ppb OR 0 - 200 ppm)                    | -        | -        | ✓        | Optional |
| Formaldehyde (0 - 10,000 ppb)                            | -        | Optional | Optional | Optional |
| NO (0 - 250 ppm)                                         | -        | Optional | Optional | Optional |
| NO <sub>2</sub> (0 - 20 ppm)                             | -        | Optional | Optional | Optional |
| SO <sub>2</sub> (0 - 20 ppm)                             | -        | Optional | Optional | Optional |
| O <sub>3</sub> (Ozone: 0 - 5 ppm)                        | -        | -        | -        | Optional |

\* CO, CO<sub>2</sub>, Temp  
& %RH Only

\* Add Up to 3  
Gas Sensors

\* TVOC Sensor  
Included, Add Up  
to 2 More Gas  
Sensors

\* Add Up to 7 To-  
tal Gas Sensors

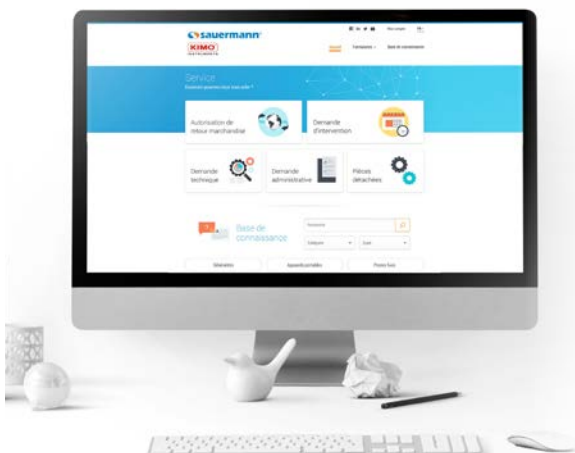
No matter what industry you work in, Sauermann IAQ Monitors deliver the data you need to get the job done:

- Industrial Hygiene
- Environmental Health and Safety (EH&S)
- Indoor Air Quality Specialists
- Universities
- Laboratory and Research
- Incubators
- Volatile Organic Gases (VOC) Monitoring
- Medical and Hospitals
- Mining/Confined Spaces
- Warehouse Safety
- Optimization: Emissions and Air Quality Issues
- Greenhouses
- Building Inspections/Architect/Building Development
- Energy Auditing
- Fugitive Emissions
- General IAQ



# Services

## Calibration / Hotline / Maintenance



### Customer service portal

For any repair, calibration or device feedback requests, log in to our Customer Service Portal.



Accessible  
24/7



Fast and  
easy-to-use



Follow-up in  
real time

<http://sauermann-en.custhelp.com>



To complement our range of measuring instruments, a team of more than 40 people offers a wide range of services, such as calibration and adjustments, after-sales support, hotline, on-site services and training.

Our team of experts will accompany you throughout your project and will adapt to your needs thanks to more than 40 years of experience and our sophisticated laboratory equipment.



Calibration and  
adjustments



After-sales  
services



Hotline



On-site services



Training

**Our laboratories, spanning over 1,500 m<sup>2</sup>, allow us to offer you all kinds of metrological services related to:**

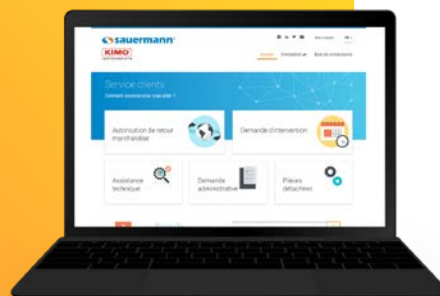
- Temperature
- Humidity
- Air velocity
- Air flow
- Pressure
- Combustion
- Weighing
- Radiometry
- Tachometry
- Light measurement
- Electrical current



Manufacturer of innovative solutions  
for the measurement and control of  
indoor air quality.

Customer service portal  
Use our customer service portal  
to contact us.

<http://sauermann-en.custhelp.com>



SCOPE N°2-1885  
AVAILABLE ON  
WWW.COFRAC.FR

**Accredited temperature laboratory  
as per ISO 17025 standard**

Sauermann can perform COFRAC calibrations on any type of thermometer (measuring chain, Pt100, thermocouple, etc.) within a range from -70 to +200°C in thermostatic chambers and in baths.



SCOPE N°2-5553  
AVAILABLE ON  
WWW.COFRAC.FR

**Accredited hygrometry laboratory  
as per ISO 17025 standard**

Sauermann can perform COFRAC calibrations on any type of hygrometer within a range from 10 to 95 %RH, for a dry temperature from +10 to +50°C.



More information  
[www.sauermanngroup.com](http://www.sauermanngroup.com)



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