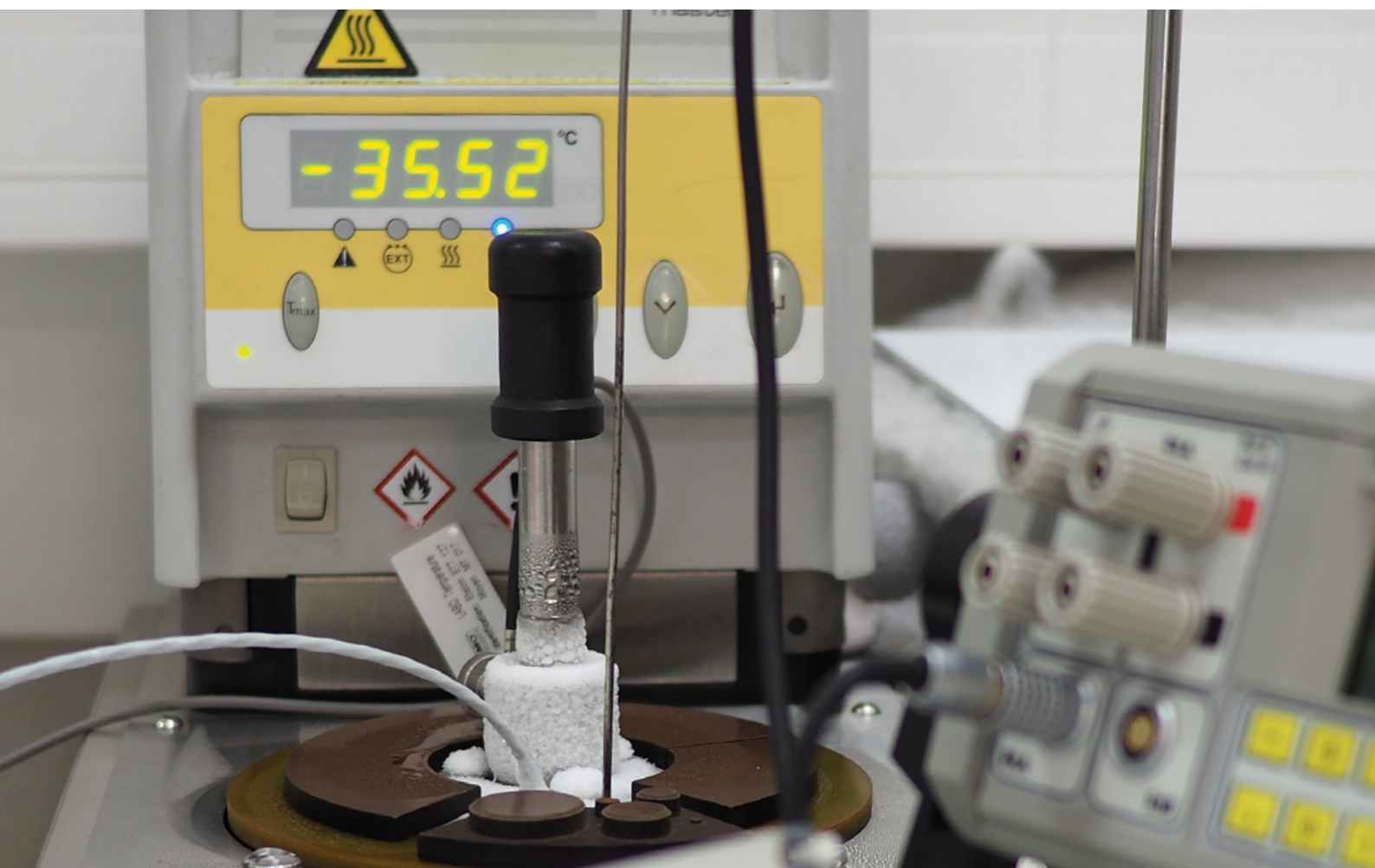




## SAUERMAN SERVICES

**Calibration / Cartography / Services packages  
Rental / Maintenance / Hotline**



# OUR EXPERTISE

As a designer and manufacturer with over 45 years of expertise in metrology, we're ideally placed to provide you with perfect after-sales service!

We guarantee a high-quality service thanks to a number of key assets:



Over 800 m<sup>2</sup> of controlled-atmosphere laboratories



After-sales service on our production lines



25 experienced metrology technicians



State-of-the-art equipment



Sauermann Industrie,  
Laboratories, located in  
Montpon (FR), accredited  
to NF EN ISO/IEC 17025  
standard



TEMPERATURE



HYGROMETRY

# PARAMETERS



## Temperature

- Temperature in measurement chain: from -196 to +1100 °C
- Pt100 or thermocouple temperature simulation : from -200 to +1350 °C



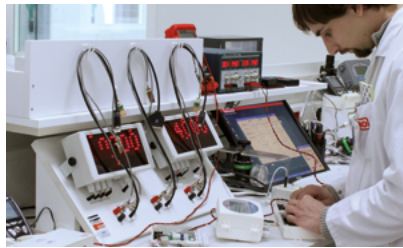
## Humidity

- Hygrometry: from 5 to 95 %RH



## Air velocity

- At ambient temperature: at 20 °C : from 0 to 35 m/s
- At a given temperature: between 0 and 50 °C: from 0 to 30 m/s



## Gas analysis

- Combustion analysis: from 5 ppm to 20%
- Combustion gas: CO, O<sub>2</sub>, CO<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>, CH<sub>4</sub> ...



## Pressure

- Low differential pressure: from 1 to 10,000 Pa
- Relative pressure: from -1 to 2 bar
- Absolute pressure: from 0 to 3 bar
- Hydraulic and high air pressure: from -0.4 to +400 bar



## Airflow

- Airflow: from 50 to 4000 m<sup>3</sup>/h



## Weighing

- from 0 to 140 kg



## Tachometry

- Optical : from 90 to 60 000 tr/min
- Contact : from 90 to 2 500 tr/min



## Electricity

- All types of electrical devices



## Acoustics

- at 1000 Hz: from 40 to 124 dB
- with or without microphone trace



## Luxmeter

- from 1 to 10,000 lux



## Radiometry

- Point compared to radiation



## Air quality

- CO<sub>2</sub>: 0 to 9000 ppm
- CO: 0 to 3500 ppm



## pH-Metry

- pH 4 / 7 / 10

In our laboratories



# CALIBRATION

Temperature / Hygrometry / Pressure / Airflow / Air velocity / Gas analysis / Tachometry  
Radiometry / Light measurement / Electricity / Weighing / Acoustics / Air quality / pH-metry

## Full diagnostic



Free quote



Calibration



Certificate



## Customise your requests

Our Customer Services team will advise you on a custom-made service

- Customised measuring points
- Customised contracts
- Diagnostic
- Repair and maintenance



Calibrating your equipment is essential to ensure the accuracy of the measured data.

## Why calibrate your instruments?

### What is a calibration?

For measuring instruments, calibration is a means of checking that the equipment is working properly. This is done using standards linked to national standards by COFRAC calibration certificates.

Generally speaking, a measuring instrument transforms a physical parameter into analogue and then digital data. The instrument's compliance with fixed specifications is established based on the points measured during calibration.

### Single or multi-point calibration

The method used consists of working by comparison between standards and the device to be calibrated on installations which generate physical parameters (air velocity, temperature, humidity...).

If any accuracy errors are found, they can be corrected by adjusting the instrument over the full measuring range or by a 1 or 2 point correction (depending on the instrument's functionality).

# MAINTENANCE

Don't throw your instrument away!



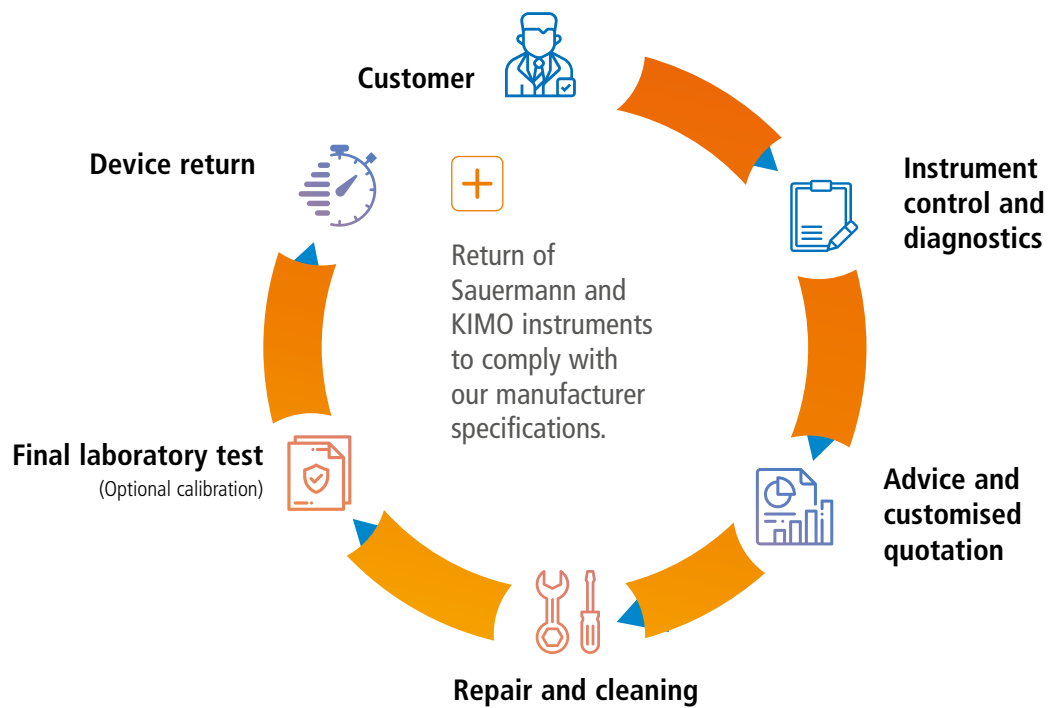
- obsolescence
- + ecology

## Technical support at your service:

Contact our specialists to carry out an initial assessment of your instruments and find a suitable solution.



A smooth return



Hotline

Before any equipment is returned, our telephone technical support guarantees to save time by providing you a quick and efficient solution (start-up, installation, malfunction, etc.).

The experience of our technicians ensures that your request is handled professionally.



Hotline team in Montpon

On-site intervention



# CALIBRATION

Temperature / Hygrometry / Pressure / Weighing / Electricity / Gas detection / Cooling equipment

## Save time and money:

- ✓ No dismantling
- ✓ Minimum downtime
- ✓ No shipping costs
- ✓ Free quote!



## Full service report delivered directly on-site:

- Calibration certificate
- Verification report
- Cofrac standards connection



## Special Interventions Distribution:

Let's organise days dedicated to your customers' equipment!



## On-site interventions in compliance with standard FD X07-012

Technicians are equipped with instruments calibrated as per Cofrac certification in compliance with NF EN ISO/CEI 17025:2017 standards for temperature, hygrometry and pressure.

# CARTOGRAPHY



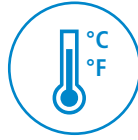
Climatic chambers / Warehouses / Laboratories / Refrigerated transport / Autoclaves  
Cold rooms / Sensitive rooms

## Our specialists will provide you with an in-depth study:

Following a study by our technicians or in accordance with your specifications, we can propose your verification and characterisation in compliance with FD X15-140 standard.



**Cartography**  
in compliance with  
AFNOR FD X15-140 standard



Temperature



Hygrometry

- ✓ **Responsiveness**  
Quote in less than 48 hours
- ✓ **Rapidity**  
Cartography reports delivered within 5 days
- ✓ **Flexibility**  
Customised studies to meet your specifications
- ✓ **Expertise**  
Analysis, recommendations and hardware solutions



Technicians with  
a CACES\* aerial  
work platform  
licence to work on  
large volumes

\*safe driving aptitude certificate



Cartography of a medicine warehouse under standard FD X15-140 May 2013 in temperature and relative humidity at 20 °C ± 5 °C



Climatic chamber



Installation of data loggers as part of biannual cartography in high-volume warehouses.



Cold room



Laboratory



Cold chain safety through thermal cartography

# RENTAL

The right instrument, at the right time

## Our portable instruments for rent:

- Thermo-anemometers
- Thermo-hygrometers
- Multifunction all parameters
- Manometers
- Air flow meters
- CO-meters
- Combustible and refrigerant gas detectors



### Maximum reliability

- Latest-generation instruments calibrated in our laboratories



### Peace of mind assured

- Protect your cash flow
- Emergency rental assistance



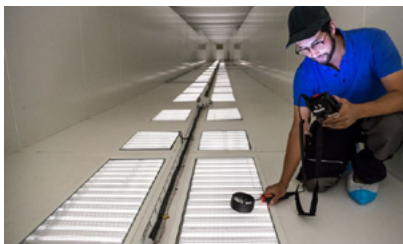
### Fast and local

- Express delivery from France
- After-sales assistance on request



### Perfect flexibility

- Customised contract from one week to long term



Air network diagnostics © Noal Mesure et Contrôle



Annual domestic boiler inspection



Airflow control in hospitals



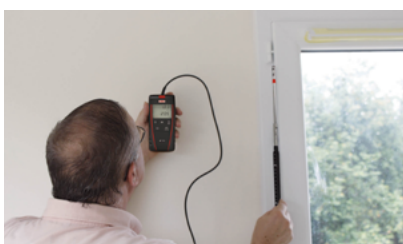
Determining the U coefficient



Health and safety at work: measuring light levels



Differential pressure control on air handling units © Isatec



Building airtight



Indoor air quality



Airflow measurement using a cone with a vane probe anemometer



# PACKAGES

For a 100% reliable fleet of instruments!



## Maintenance contract

Sauermann offers a global solution for the maintenance of your measuring instruments. The customised contract ensures 100% reliable instruments and technical support ready to meet your needs.

- Complete monitoring of your instruments over several years
- Customised, made-to-measure contract
- Ongoing technical assistance

## Special package for gas analysers

2 options to choose from:

### ✓ G5 package

Warranty extended to 5 years

- Replacement of gas cells
- Replacement of mechanical and electronic parts required for the equipment to work properly
- Labour included

### ✓ T5 package

5-year maintenance contract

- Instrument repair if necessary
- Annual adjustment and calibration with calibration certificate
- Personalised reminder of maintenance return dates
- Customised contract
- Ongoing technical assistance



**5-year warranty  
no return to factory**



**5-year maintenance  
Peace of mind**



# OUR TEAMS

at your service

All our teams are trained in-house by our engineers, technicians, metrologists and product managers.

## Contacts

**Customer Service Portal:** [sauermann.site/SAV](http://sauermann.site/SAV)

**Customer Service:** +33 (0)5 53 80 85 00

**Email:** [services@sauermanngroup.com](mailto:services@sauermanngroup.com)



On-site intervention team

### ✓ Sales team

16 itinerant technical sales representatives

- Advice and demonstrations

6 sedentary sales representatives

- All over France\*

### ✓ Hotline team

4 customer support technicians

- Technical solutions
- Advice on after-sales service

### ✓ Customer Service Team

20 customer service representatives

- Advice and quotations
- Follow-up of your files

### ✓ On-site intervention team

10 field technicians

- CACES 3B certification, work at height
- Chemical and electrical hazards

3 account managers

- All over France\*



## 100% in France

Recognised by the French government as one of the key companies for the recovery, Sauermann is determined to make "Made in France" a lasting ambition. We are investing in France to maintain three precious assets: innovation, quality and proximity for our products and services.



Our two main plants



Our Customer Service



Our metrology laboratories



Our Research & Development team

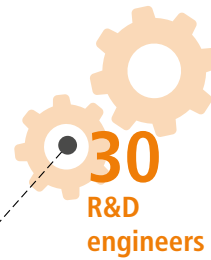
## Sauermann at a glance



2021



20 patents



30 R&D engineers



\$75M turnover



400

25 Nationalities



**2019**  
Sauermann Group acquires Megatech



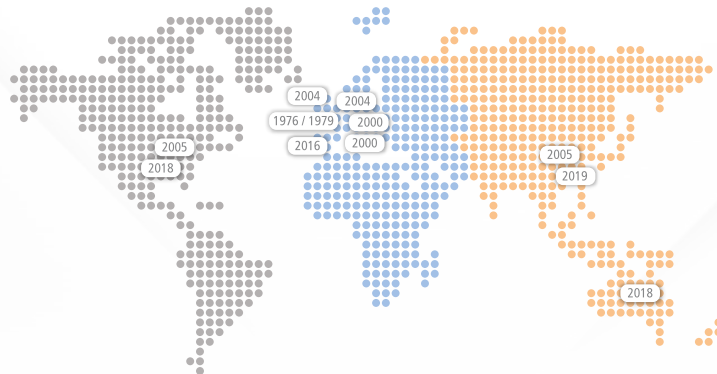
**2020**  
Sauermann and Kimo merge their companies



**2015**  
Sauermann and Kimo join forces



**2018**  
Sauermann Group acquires E Instruments in the U.S.



4 Factories

12 Sites

**1985**  
Expansion into Indoor Air Quality digital measuring tools.



**1993**  
Sauermann Group is the first to launch a condensate removal pump with piston technology.



1976

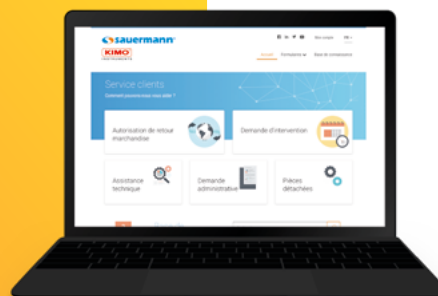
- AMER - Americas
- EMEA - Europe, Middle East and Africa
- APAC - Asia Pacific

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

## Customer Service Portal

Use our customer services portal to contact us.

[sauermann-en.custhelp.com](http://sauermann-en.custhelp.com)



## INsights

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

[sauermanngroup.com/en-INT/insights](http://sauermanngroup.com/en-INT/insights)



## Sauermann on YouTube

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

[youtube.com/sauermanngroup](http://youtube.com/sauermanngroup)



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



View this catalogue  
online



**Sauermann Industrie S.A.S**  
ZA Bernard Moulinet - Rue Koufra  
24700 Montpon-Ménéstérol - France

+33 (0)5 53 80 85 00  
[services@sauermanngroup.com](mailto:services@sauermanngroup.com)