Connecting the Physical and Digital Worlds

senseca

Welcome to Senseca

Your trusted partner for top-notch **measurement technology**!

For decades, Greisinger, Honsberg, Martens, Val.Co, and Delta OHM have been industry leaders, setting standards with innovative and customizable solutions. Over a year ago, these pioneers merged into one brand –Senseca – strengthening the global focus and expertise.

We're excited to continue this journey by welcoming environmental monitoring experts Geonica and Biral to the **Senseca family**.

Senseca was founded with a clear purpose: to support companies and society worldwide in mastering the **transition towards a sustainable future**. Our products are at the core of key applications related to megatrends such as renewable energy, water management, smart cities, Industry 4.0, meteorology, and more.

Join us on this exciting journey where measurement data empowers us to **make better and smarter decisions**.

Best regards,

Christian Unterberger
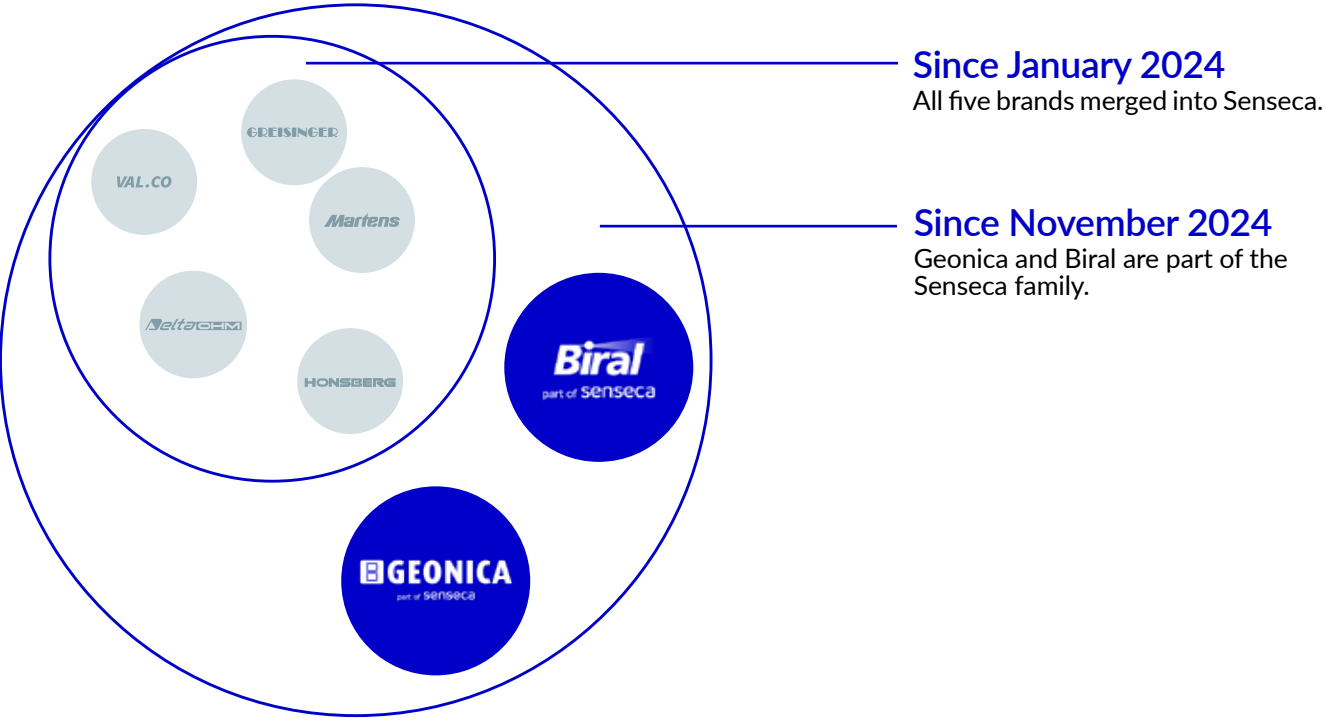CEO

Our purpose

We believe in our contribution to a sustainable world, by making the unknown, known.

Our vision

We strive towards excellence in connecting the physical and digital worlds through innovative measurement solutions.

Company facts and figures

One team. One brand. One company.

50,000
Customers served

200
Partners in 60 countries

6
Locations

27
Nationalities

2,000
Products

>350
Employees

€60 m+
Annual revenue

60
Years in measurement technology

Product customization

Private labeling

Calibration services

System integration

All in one

Decades of experience, now united by a shared vision.

GREISINGER
VAL.CO
Martens
Delta Ohm
HONSBERG
Biral part of senseca
GEONICA part of senseca

Since January 2024
All five brands merged into Senseca.

Since November 2024
Geonica and Biral are part of the Senseca family.

Locations

① Remscheid
At our global headquarter, we develop and manufacture high quality industrial sensors, industrial electronics and control technology for a wide range of industrial applications.

② Regenstauf
Our Regenstauf site is well known for its wide range of portable instruments, sensors and probes.

③ Padua
In Padua, we design and produce a wide range of environmental solutions, including sensors, data loggers and transmitters for measuring and monitoring physical parameters.

④ Milano
Our plant in Sant'Ilario Milanese designs and manufactures level switches and meters.

⑤ Madrid
In Madrid, we design and manufacture systems, weather stations, dataloggers, and data collection platforms for meteorological and environmental monitoring.

⑥ Bristol
Bristol is our competence center, where we manufacture visibility & present weather sensors, along with our early warning thunderstorm detectors.

Let's shape the future – together

Driven by the **megatrends** of our time, we are committed to innovation and progress. We invest a significant portion of our R&D capacity into developing cutting-edge solutions that address the most pressing global challenges. With our products we empower our customers to **thrive in a rapidly changing world.**

Our comprehensive portfolio includes a range of **advanced sensors and electronics** designed for use in plants, systems and machines. These products are engineered to ensure optimal performance and reliability. In addition, we offer products that efficiently monitor **environmental parameters**, thereby promoting sustainability and informed decision-making.

Furthermore, our **portable measurement** devices provide reliable and accurate measurements in any location.

Renewable energy

Smart city

Smart factory

Water management

Agriculture

Health & Pharma

Meteorology

Environmental Monitoring

Environmental Monitoring

Portable Measurement

Portable Measurement

Industrial Applications

Industrial Applications

Environmental monitoring

What do we measure:

- Temperature
- Air and Wind speed
- Pressure
- Precipitation
- Present weather
- Humidity
- Solar radiation
- Thunderstorm
- Visibility
- Moisture
- Light
- Air quality PM / CO_2
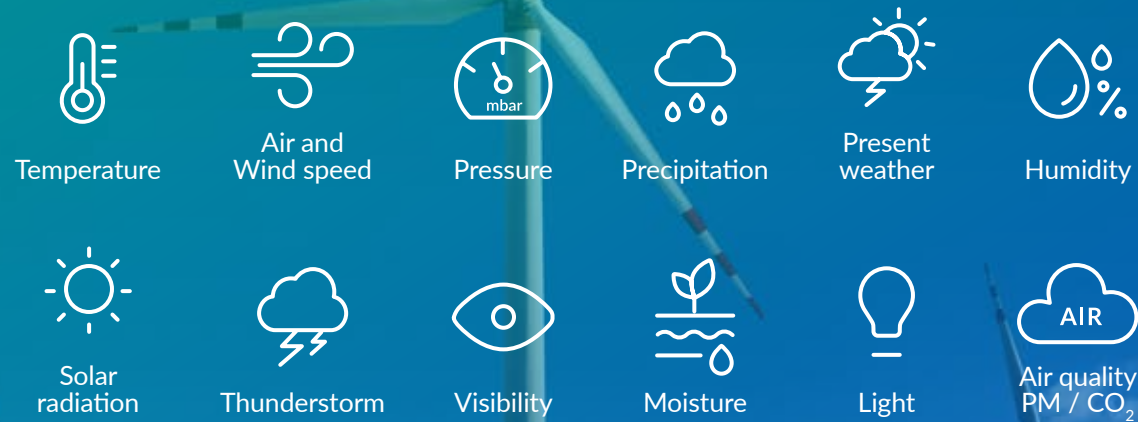
Key applications

Industry
- Offshore and marine
- Pharmaceutical production
- HVAC systems
- Comfort and indoor air quality
- Building automation and control

Weather and Hydrology
- Weather reasearch and forecasting
- Climatology
- Air quality
- Warning systems
- Hydro-meteorology
- Civil defense

Renewable energy
- Solar and wind energy
- Territory mapping

Transport
- Aviation meteorology
- Road and transport

Agiculture
- Chlorophyl evaluation
- Chemical treatment forecast
- Irrigation system
- Greenhouse

Sensors & Transmitters

We offer a robust portfolio of high-performance sensors and transmitters for precise and reliable measurement of key environmental parameters.

All these prodcuts are developed to provide accurate and stable data across various environmental monitoring applications, from meteorological stations to industrial sites and smart infrastructures.

All sensors and transmitters are engineered to integrate seamlessly with existing monitoring systems, ensuring flexibility, scalability, and minimal installation effort. This compatibility makes them an ideal choice for both new and existing installations.

Data acquisition system & Software

Our data logging portfolio ensures seamless acquisition, storage, and transmission of environmental data - whether in remote locations or integrated networks.

It includes a wide range of data loggers and communication modules supporting RF, LoRa, MIOTY, cellular (4G/5G), and satellite protocols for reliable communication in any environment.

Beyond hardware, our offerings include software solutions to configure, visualize, and analyze data. Compatible with all our sensors and third-party systems, these solutions provide robust, scalable and secure data flow from sensor to decision-makers.

Systems & Solutions

We deliver fully integrated turnkey solutions for environmental and industrial monitoring, combining sensors, data loggers, communication systems, and software platforms.

Our customized systems support weather stations, air quality networks, smart cities, and industrial process monitoring.

With modular architecture and deep integration expertise, we offer both off-the-shelf and bespoke solutions, scalable from single stations to multi-site infrastructures.

With us, you get everything from a single source: end-to-end solutions - from sensor to cloud.

Portable measurement

What do we measure:

Temperature

Air and Wind speed

Pressure (mbar)

Water analysis

Humidity

Acoustics

IAQ Thermal comfort

Sound and vibrations

Moisture

Light

Air quality PM / CO$_2$ (AIR)

Key applications

Renewable energy

- Solar: ambient control
- HVAC systems

Smart city

- Noise analysis
- Building acoustics and vibrations

Smart factory

- Quality management: work references and traceable equipment
- Pure- and process water
- Indoor air quality
- Workplace ergonomics and safety
- Noise control

Water management

- Pure- and wastewater control
- Water monitoring

Agriculture and Aquaculture

- Soil measurement and irrigation (moisture, pH)
- Stock temperature and moisture control
- Food packaging: MAP and vacuum
- pH and oxygen measurement for aquacultures
- Greenhouse climate control
- Light analysis in fields and under artificial light

Health and Pharma

- Ultra-high precision incubator temperature
- Gas supply check in hospitals
- Referencing of medical equipment

Meteorology

- Maintenance of stationary equipment
- Air quality
- Light and UV

XPT-Line

This series is designed for environmental experts who require high-performance portable instruments for advanced field diagnostics and monitoring.

The XPT800 is a high precision class 1 sound level meter and frequency analyser that also supports triaxial input for vibration sensors.

Beyond acoustics and vibrations, the XPT-Line also includes instruments specifically developed for the assessment of thermal comfort and microclimate conditions, enabling accurate evaluation of indoor and occupational environments according to the latest standards.

PRO-Line

This series consists of advanced portable instruments designed for the precise measurement and monitoring of a wide range of environmental and process-related parameters.

These devices are available as well with optional data logging capabilities and they support both digital and analog sensors and probes, making them highly versatile and adaptable to different applications.

This product line is ideal for professionals seeking reliable, multi-parameter solutions for diagnostics, maintenance, and monitoring in industrial, environmental, and HVAC contexts.

ECO-Line

This series blends professional-grade features with intuitive simplicity, offering a reliable solution for technicians and operators who require accurate and efficient measurements in day-to-day activities.

Designed for practicality, these devices deliver fast and precise results across a wide range of applications.

Each model includes waterproof housing (IP65/IP67), a backlit 3-line display, and a compact design, ensuring top reliability for inspections, maintenance, and fieldwork.

Industrial applications

What do we measure:

- Temperature
- Flow
- Pressure
- Level
- Water analysis

Key applications

Transportation and Logistics

- Marine / naval
- Railway transformers
- Earth moving machines

Medical and Pharma

- Pharmaceutical production
- Medical devices

Monitoring systems

- Lubrication monitoring
- Cooling monitoring
- Thermo regulation
- Pump monitoring
- Safety temperature limiting

Water treatment

- Desalination plants

Industrial

- Industrial washing plant
- Galvanic bathes
- Fire fighting systems
- Gas generator (hydrogen)
- Power generator
- Test benches
- Steam generators
- Compressors
- CHP generator
- Thermal treatment
- Exhaust treatment

Industrial sensors

Our sensors are designed for precise process control, ensuring optimal performance and reliability in various industrial applications.

The customizable product range includes both analog and digital sensors, capable of seamless digital communication with industry standards such as IO-Link and Modbus.

Our range of sensors are suitable for monitoring liquids of various viscosities and selected gases, ensuring accurate measurements every time.

Industrial switches
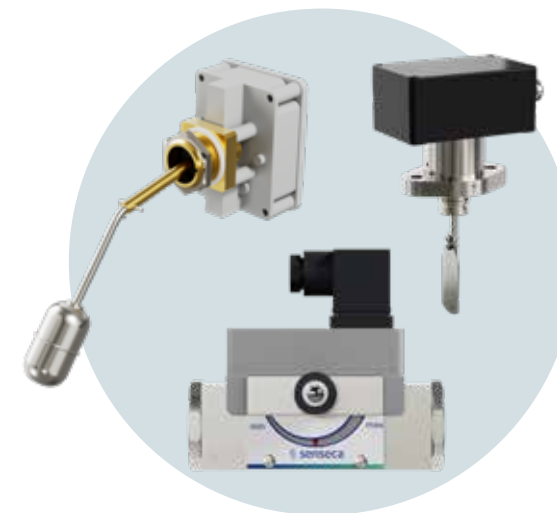
We offer robust, highly reliable switches that ensure continuous measurement in demanding environments.

Utilizing both electro-mechanical or mechanical principles, these switches deliver the highest reliability even under extreme temperatures, pressures and other harsh conditions.

With individual set points and highly customizable designs, they are tailored to meet the most challenging industrial requirements.

Industrial electronics

Our electronics portfolio includes advanced analysis devices, digital displays and safety-related equipment.

The innovative transmitters, isolators, indicators and limiters are certified to relevant ISO and ATEX standards.

Supporting both digital and analog communication protocols, our industrial electronics guarantee seamless integration and enhanced operational safety.

Temperature

Humidity

Pressure

Air speed

Acoustics

Photo radiometry
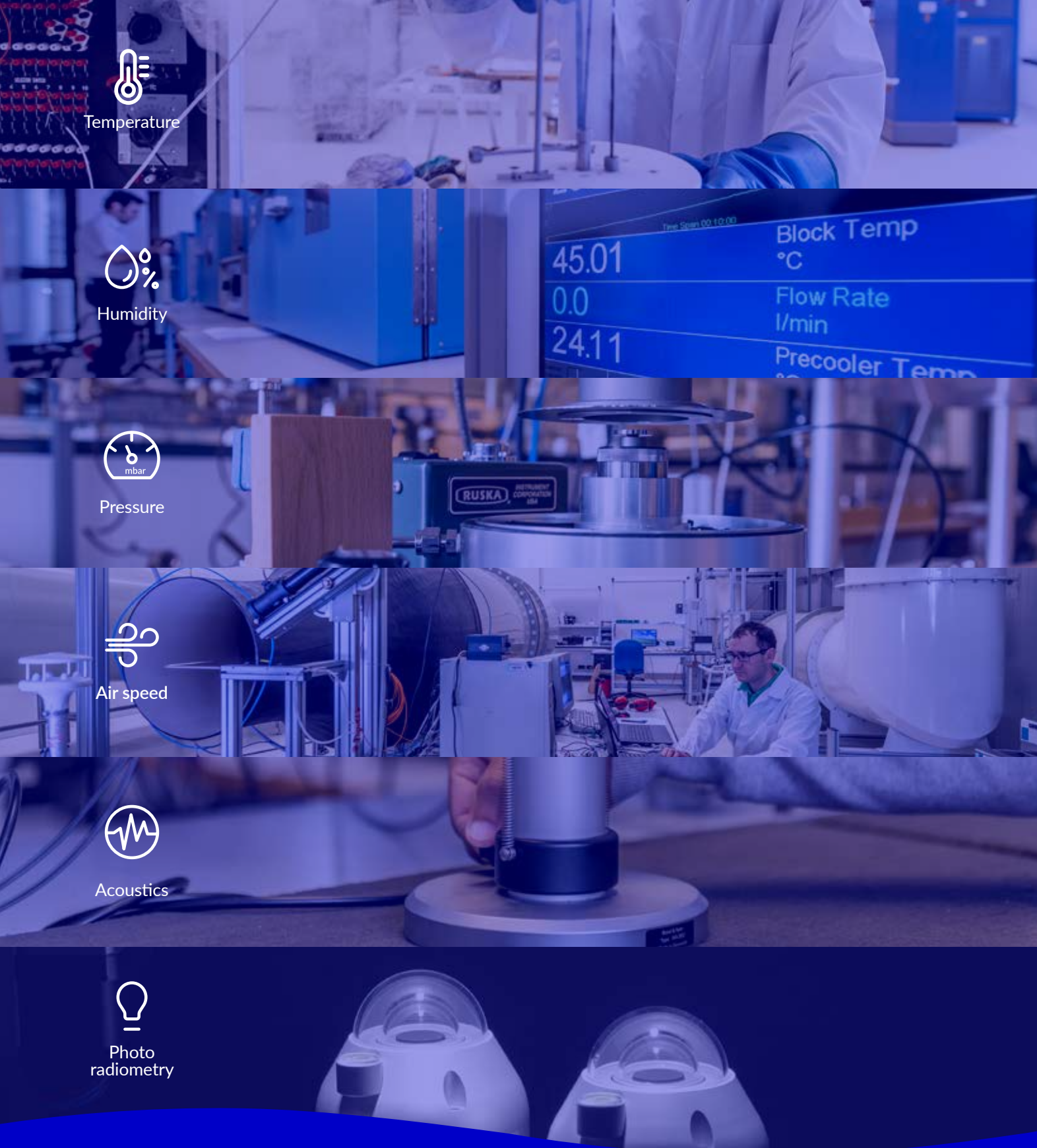
Calibration

Our in-house ISO 17025 accredited calibration laboratories ensure the highest level of accuracy and precision in every measurement. Calibration is crucial for maintaining the reliability of instruments, ensuring that they meet industry standards and deliver consistent results. Using properly calibrated instruments reduces the risk of errors, enhances product quality, and ensures compliance with regulatory requirements, making them essential for any process where accuracy is critical.

Taking ownership

At Senseca, taking ownership is at the heart of everything we do.

It means committing to social and environmental responsibility, respectful use of resources, and bringing products to market that support sustainable practices. Additionally, we strictly adhere to industry standards to guarantee the highest quality in all our offerings.

By embracing these principles, we not only uphold our values but also drive innovation and excellence in every aspect of our business.

Frameworks

CLIMATE NEUTRAL NOW

brCarbon

charta der vielfalt
Für Diversity in der Arbeitswelt

BRONZE | Top 35%
ecovadis
Sustainability Rating
AUG 2024

CODE OF CONDUCT

Industry standards

SIL
Suitable for Safety Applications
IEC 61508 / IEC 61511

LoRa®

IO-Link

PROFI®
NET
INDUSTRIAL ETHERNET

PROFI®
BUS

DEKRA

mioty alliance

Modbus

Ex

Industrial Applications

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