

**VAISALA**

# Industrial Measurements offering

Brochure



# Taking every measure

For nearly a century, Vaisala has delivered precise measurements in the world's most demanding environments – from Arctic extremes and hurricanes to leading labs, data centers, and even the surface of Mars.

We give the world the means to measure what matters. In practice, we offer our customers the measurement equipment and data – instruments and intelligence – they need to know exactly what is happening in their respective environments.

From governments and tech giants to individual developers, our clients all have one thing in common: They are constantly looking for ways to innovate, reinvent and optimize.

## Industrial measurements that matter

Our industrial customers use data from our measurement instruments to optimize their processes and improve their resource efficiency. While saving money, this also helps mitigate climate change by reducing energy consumption, emissions and waste.



## Explore Vaisala's Industrial Measurement offering

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# Industrial transmitters

Flexible measurement.  
Trusted performance.  
Future-ready.

Precision, reliability and connectivity are the essentials of critical industrial measurements. Designed to excel in demanding environments, our transmitters ensure you always have the high-quality data you need for process optimization and compliance.

## Reliability and performance where you need it most

Our Indigo series industrial transmitters are built to deliver exceptional performance in the most challenging industrial settings. With a modular design that supports a wide range of interchangeable probes, these transmitters provide accurate and stable measurements of humidity, temperature, dew point, CO<sub>2</sub>, hydrogen peroxide vapor, and more – all from a single platform.

Whether you're upgrading existing systems or building new ones, Vaisala transmitters offer unmatched flexibility. Integration into your automation environment is simple and efficient with support for analog outputs, relays, and Modbus TCP/IP. Choose from models with a touchscreen display for local data visualization or a compact version with LED indicators for streamlined installations.

## Future-proof and globally trusted

Our transmitters are designed to evolve with your needs. Software updates ensure long-term value, while compatibility with our cloud-based monitoring solutions enables remote access and real-time insights.

Backed by decades of sensor innovation and global support, Vaisala is the trusted partner for industries where accuracy, compliance, and operational efficiency are non-negotiable.



» Explore our industrial transmitters:  
[vaisala.com/industrialtransmitters](https://vaisala.com/industrialtransmitters)



# Probes & OEM modules

Precision instruments for seamless integration

Vaisala's industrial probes and OEM modules are trusted worldwide for delivering accurate, stable and repeatable measurements of humidity, temperature, CO<sub>2</sub>, dew point, and hydrogen peroxide vapor.

Built on decades of sensor innovation, these compact and rugged devices are ideal for integration into industrial systems, environmental chambers, and life science applications where precision is critical.

## **Designed for integration and performance**

Vaisala's probes and modules are built to fit your workflow. With support for analog and digital outputs — including Modbus RTU and Vaisala Industrial Protocol — they offer plug-and-play compatibility with a wide range of control systems.

Many models are also compatible with our Indigo transmitters, enabling enhanced features like local displays, data logging and cloud connectivity.

## **Trusted technology, global support**

Powered by our proprietary HUMICAP® and CARBOCAP® sensor technologies, Vaisala probes offer industry-leading stability and low maintenance. Each unit comes with a traceable calibration certificate and is backed by global service and compliance support.

Whether you're monitoring cleanrooms, food production or industrial drying processes, Vaisala delivers the confidence you need.



» Explore our industrial probes & OEM modules:  
[vaisala.com/probes](https://vaisala.com/probes)



# HVAC transmitters

Smart sensing for more efficient  
and sustainable buildings

Achieve superior indoor air quality and reliable building performance with Vaisala HVAC transmitters, trusted for their precision and durability. In building automation, accurate and consistent measurements are vital: Vaisala's sensors deliver dependable results and require minimal maintenance, making them ideal for environments like museums, labs, data centers and green buildings.

We offer a complete range of humidity, temperature, carbon dioxide, and differential pressure transmitters. These instruments are designed for robust, long-term operation and seamless integration with building systems, helping you optimize energy efficiency and maintain stable indoor conditions with confidence.

» Explore HVAC transmitters:

[vaisala.com/hvacproducts](https://vaisala.com/hvacproducts)





# viewLinc Continuous Monitoring System

Reliable monitoring.  
Global compliance.  
Total confidence.

The viewLinc Enterprise Server and viewLinc Cloud Continuous Monitoring Systems provide accurate, uninterrupted monitoring for critical environments. Ideal for regulated and industrial applications, it tracks temperature, humidity, CO<sub>2</sub> and more – offering real-time data, customizable alarms, and automated reporting. With gap-free data logging and compliance with global standards like 21 CFR Part 11 and EU GMP Annex 11, viewLinc ensures data integrity and peace of mind.

Scalable and easy to deploy, viewLinc supports Ethernet, PoE, and our secure VaiNet wireless technology. Its intuitive software, multilingual interface and integration options (OPC UA, APIs) make it perfect for global operations. Backed by expert support and calibration services, viewLinc is the trusted choice for life sciences, pharma, aerospace and beyond.

» Explore viewLinc:  
[vaisala.com/cms](https://vaisala.com/cms)



## Continuous Monitoring System Services

- Installation and configuration
- System validation
- Calibration and field services
- Mapping
- Field services
- Training services
- Technical support and maintenance agreement

» Explore Continuous Monitoring system Services:  
[vaisala.com/en/services/continuous-monitoring-system-services](https://vaisala.com/en/services/continuous-monitoring-system-services)



# Liquid concentration measurement

Trusted performance  
+ reliable precision

Our liquid concentration measurement solutions provide real-time, accurate readings for industrial processes using advanced refractometry and proprietary sensors. Ideal for monitoring chemicals, solvents, and moisture in industries like pharmaceuticals, food, and battery manufacturing, they ensure consistent quality and compliance.

Vaisala Polaris™ refractometers are easy to integrate, highly durable, and resistant to harsh conditions. Polaris process refractometers are well-suited for inline liquid measurements to enable efficient process control and industrial automation. With fast response, automated calibration, and low maintenance, our refractometers and sensors optimize energy use and dosing precision – delivering the reliability your process demands.

» Explore liquid concentration measurement instruments: [vaisala.com/liquidconcentration](https://vaisala.com/liquidconcentration)



# Power industry solutions

Smarter decisions,  
stronger performance

Vaisala's power industry solutions deliver robust, science-driven technologies that safeguard critical assets and ensure reliable, uninterrupted electricity. Real-time, online measurement transmitters enable utilities and plants to prevent unexpected outages, optimize maintenance, and extend transformer lifespans. Our flagship DGA monitors, like the Optimus™ OPT100, offer zero-maintenance, always-on monitoring – uncovering trends and fault gases without consumables or recalibration.

With proven sensor technology trusted in the harshest environments, Vaisala's solutions provide superior moisture and gas analysis for transformers. Our advanced environmental data services further enhance power grid reliability, safety, and resilience against severe weather, supporting efficient operations and informed decision-making for the power industry.

» Explore power industry solutions:  
[vaisala.com/power](https://vaisala.com/power)





# Industrial decarbonization

Reliable measurements for smarter production

**Vaisala solutions for carbon capture, utilization and storage.**

Reliability and simplicity for critical measurements. Optimizing your carbon capture processes is no small endeavour. Transparent and reliable measurements are key to success, environmentally and financially.

» Explore ccus solutions:  
[vaisala.com/ccus](https://vaisala.com/ccus)



**From producing biogas to upgrading it to biomethane / RNG, Vaisala helps you deliver.**

Vaisala's biogas solutions empower producers to optimize yield, ensure process stability, and meet regulatory standards with confidence. Our advanced measurement instruments deliver real-time, accurate monitoring of methane, carbon dioxide, and humidity – enabling precise control and efficient operation at every stage of biogas production.

Our robust, low-maintenance sensors are designed for harsh environments, helping reduce downtime and operating costs while maximizing energy output. Seamless integration and proven reliability make them the trusted choice for biogas plants worldwide, supporting sustainability and profitability in renewable energy production.

» Explore biogas production solutions:  
[vaisala.com/biogas](https://vaisala.com/biogas)



# Life cycle services for instrument longevity

At Vaisala, we believe that accurate measurement is the foundation of progress. Our industrial solutions are built on a legacy of scientific curiosity, relentless innovation, and a commitment to your success.

As your trusted partner, we continue to pioneer new technologies and set industry standards—empowering you to optimize processes, ensure compliance, and drive sustainable growth. Wherever your ambitions take you, Vaisala stands ready to support your journey with reliable data, expert service, and a spirit of partnership that looks confidently toward the future.

» **Discover our comprehensive portfolio of instruments and intelligence for industrial measurements and weather & environment applications:**

[vaisala.com/en/industries-applications](https://vaisala.com/en/industries-applications)



## Instrument life cycle services

### **Minimize total cost of ownership, maximize measurement stability**

Ensure your measurement systems deliver optimal performance, reliability, and compliance throughout their entire lifespan. From expert installation and calibration to proactive main-tenance, upgrades and technical support, our comprehensive service portfolio is designed to maximize uptime and minimize risk.

With global reach and deep application expertise, we help you adapt to changing regulations and operational needs, ensuring your investment remains future-proof and audit-ready. Trust Vaisala to safeguard your critical measurements—so you can focus on your core operations with confidence.

» **Explore our life cycle services:**

[vaisala.com/services](https://vaisala.com/services)



# Examples of industries and applications

» Battery:  
[vaisala.com/battery](https://vaisala.com/battery)



» Carbon capture, utilization and storage:  
[vaisala.com/ccus](https://vaisala.com/ccus)



» Data centers:  
[vaisala.com/datacenter](https://vaisala.com/datacenter)



» Food, Beverage and agriculture:  
[vaisala.com/food](https://vaisala.com/food)



» HVAC & indoor air quality:  
[vaisala.com/hvac](https://vaisala.com/hvac)



» Life science and pharmaceutical:  
[vaisala.com/lifescience](https://vaisala.com/lifescience)



» Power Industry solutions:  
[vaisala.com/power](https://vaisala.com/power)



» Pulp, paper wood:  
[vaisala.com/pulppaperwood](https://vaisala.com/pulppaperwood)



» Semiconductor manufacturing:  
[vaisala.com/semiconductor](https://vaisala.com/semiconductor)



» Smart Drying:  
[vaisala.com/smartdrying](https://vaisala.com/smartdrying)



» More industries & Applications  
[vaisala.com/industries](https://vaisala.com/industries)





# Sustainability in the heart of our business

Vaisala's premium measurement solutions enhance safety, efficiency, and decisionmaking – for a sustainable future on our planet.

The heart of Vaisala's sustainability lies in the positive impact of our products, as they help our customers, for example, to increase energy efficiency and reduce emissions.

» [Learn more](#) about our sustainability.



# Global coverage with local presence

As a global leader in industrial, weather and environmental measurements, we provide reliable, accurate and innovative products and solutions that enabling better decision-making, increased productivity, and improved safety and quality.

Customers all over the world and in a multitude of industries use our measurement solutions. Everywhere from forecasting weather and making sure it is safe for your flight to take off, to staying ahead of power outages or monitoring incubators for premature children in hospitals, you can find Vaisala's premium measurement solutions in action all over the world.

» [Find your local contact.](#)

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[vaisala.com/webinars](https://vaisala.com/webinars)



» Find recommended reading on a variety of topics in Vaisala eBooks:  
[vaisala.com/ebooks](https://vaisala.com/ebooks)

